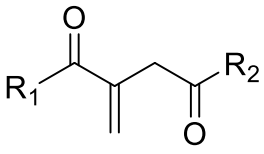
CLAIMS

1. A compound of formula (I):

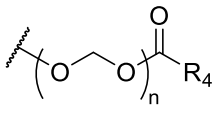


(I);

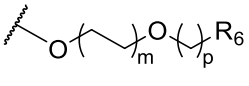
wherein:

R_1 and R_2 can be the same or different and are each independently selected from one or more of the following and combinations thereof:

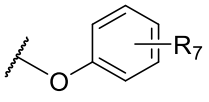
(a) $–OR_3$, wherein R_3 is H or C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl;

(b) 

, wherein n is an integer selected from 1, 2, 3, and 4; R_4 is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl or $–OR_5$, wherein R_5 is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl;

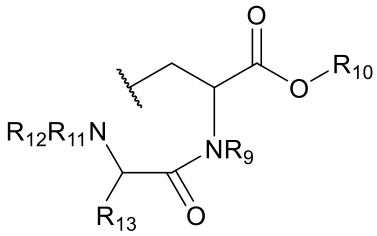
(c) 

, wherein m is an integer selected from 1, 2, 3, and 4; p is an integer selected from 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20; and R_6 is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl;

(d) 

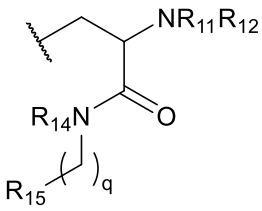
, wherein R_7 is selected from:

(i) $–C(=O)-O-R_8$, wherein R_8 is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl;

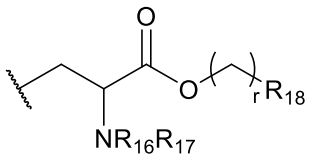
(ii) 

, wherein R_9 is H or C_1-C_4 straight-chain or branched unsubstituted or substituted alkyl; R_{10} is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl; R_{11} and R_{12} are each

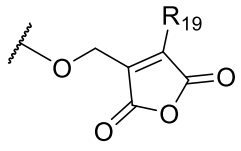
independently H or a protecting group; and R_{13} is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl;

(iii) 

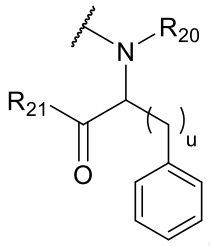
, wherein q is an integer selected from 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10; R_{11} and R_{12} are each independently H or a protecting group; R_{14} is H or C_1-C_4 straightchain or branched unsubstituted or substituted alkyl; and R_{15} is C_1-C_6 straight-chain or branched unsubstituted or substituted alkyl; and

(iv) 

, wherein R_{16} and R_{17} are each independently selected from H, C_1-C_4 straight-chain or branched unsubstituted or substituted alkyl, and a protecting group; R_{18} is aryl;

(e) 

, wherein R_{19} is C_1-C_4 straight-chain or branched unsubstituted or substituted alkyl;

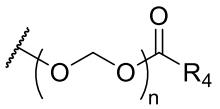
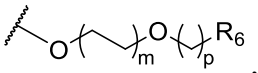
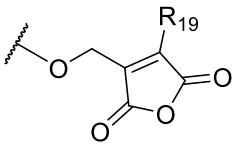
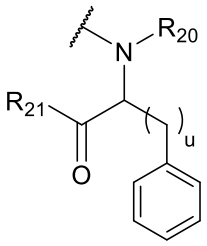
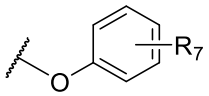
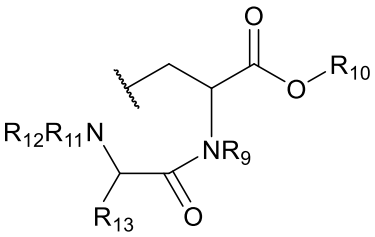
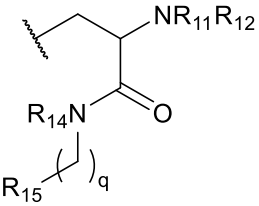
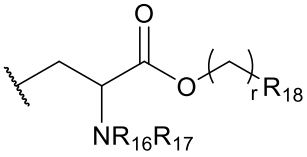
(f) 

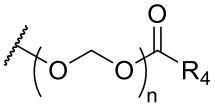
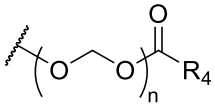
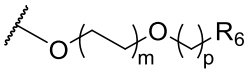
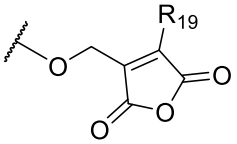
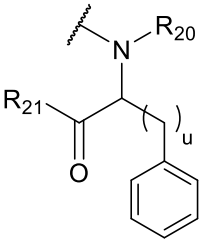
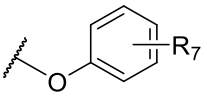
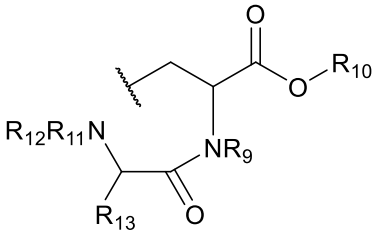
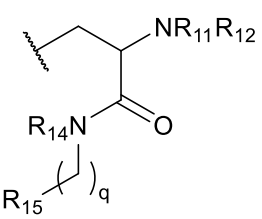
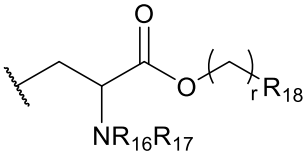
, wherein u is an integer selected from 1, 2, 3, and 4; R_{20} is H or C_1-C_4 straight-chain or branched unsubstituted or substituted alkyl; and R_{21} is $–OR_{22}$, wherein R_{22} is C_1-C_6 straightchain or branched unsubstituted or substituted alkyl or $–NR_{23}R_{24}$, wherein R_{23} and R_{24} are each independently H or C_1-C_4 straightchain or branched unsubstituted or substituted alkyl;

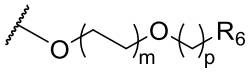
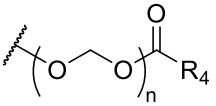
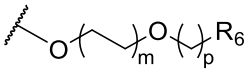
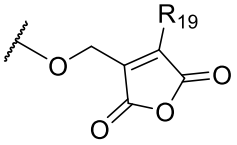
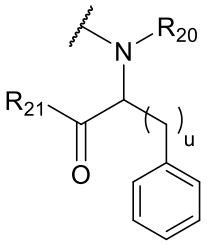
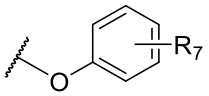
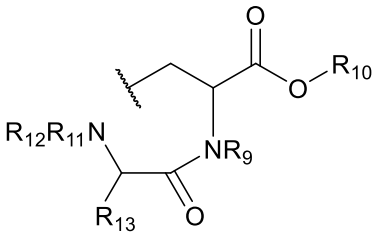
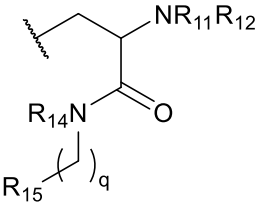
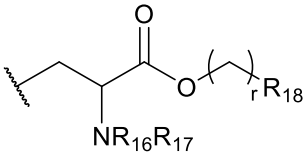
provided that R_1 and R_2 cannot both be -OH or both be $–OR_3$ at the same time;

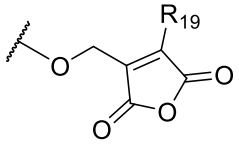
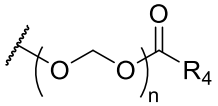
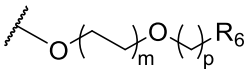
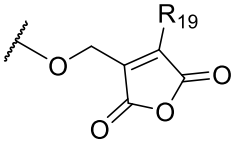
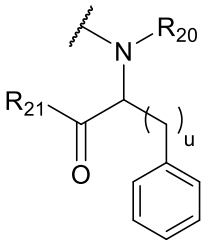
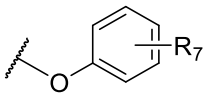
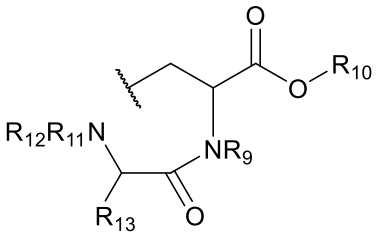
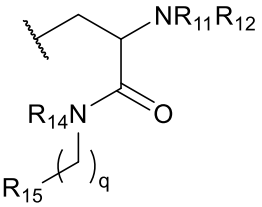
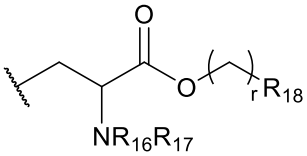
and pharmaceutically acceptable salts thereof.

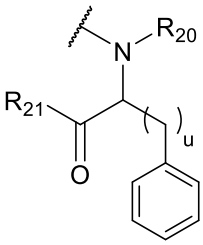
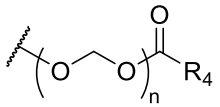
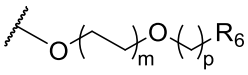
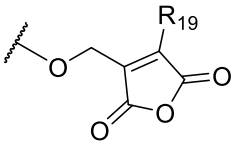
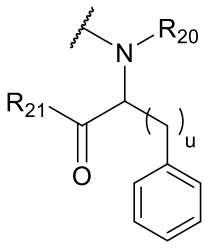
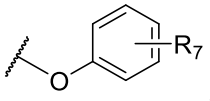
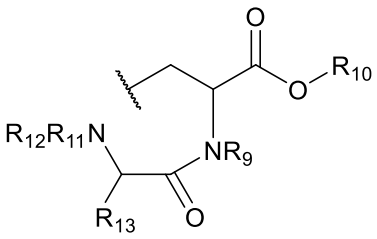
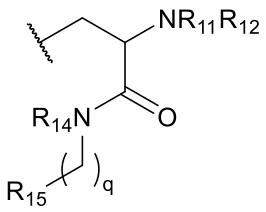
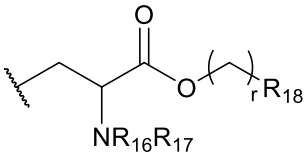
2. The compound of claim 1, wherein:

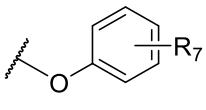
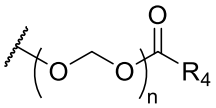
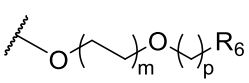
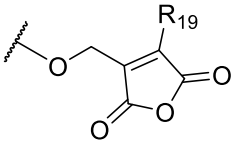
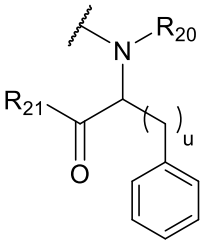
(a) R_1 is $-OR_3$ and R_2 is selected from $-OR_3$, , , , , and , wherein R_7 is selected from $-C(=O)-O-R_8$, , , and ;

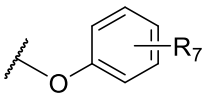
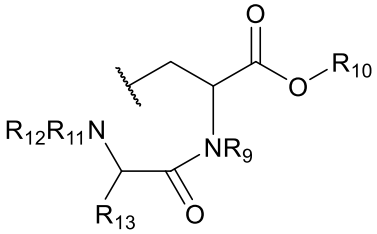
(b) R_1 is  and R_2 is selected from $-OR_3$, , , , , and , wherein R_7 is selected from $-C(=O)-O-R_8$, , , and ;

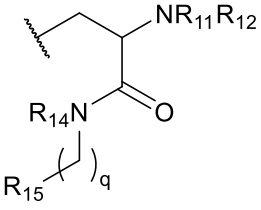
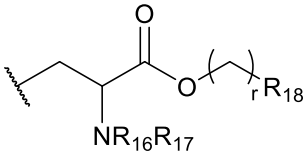
(c) R_1 is  and R_2 is selected from $-OR_3$, , , , , and , wherein R_7 is selected from $-C(=O)-O-R_8$, , , and ;

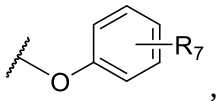
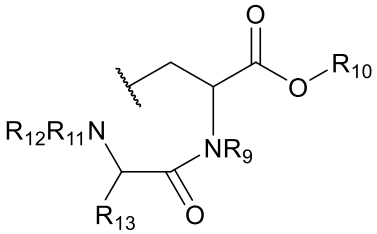
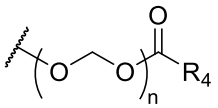
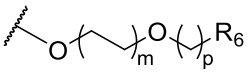
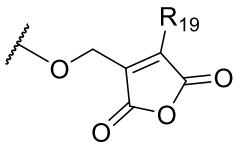
(d) R_1 is  and R_2 is selected from $-OR_3$, , , , , and , wherein R_7 is selected from $-C(=O)-O-R_8$, , , and ;

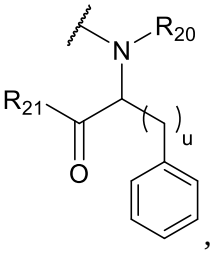
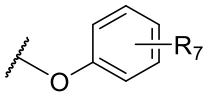
(e) R_1 is  and R_2 is selected from $–OR_3$, , , , , and , wherein R_7 is selected from $–C(=O)-O-R_8$, , , and ;

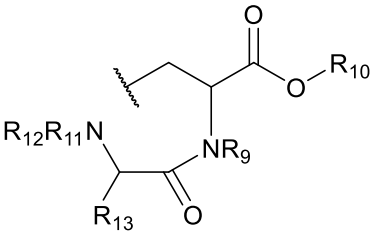
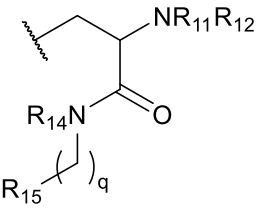
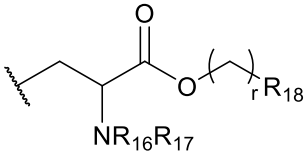
(f) R_1 is , wherein R_7 is $–C(=O)-O-R_8$ and R_2 is selected from $–OR_3$, , , , , and

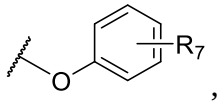
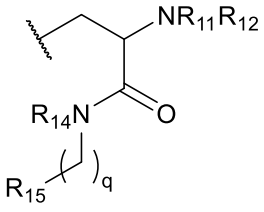
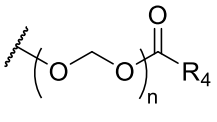
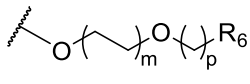
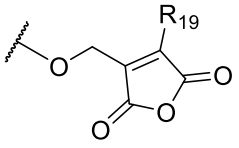
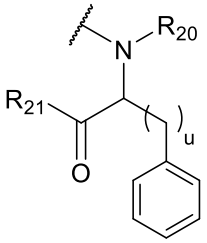
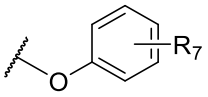
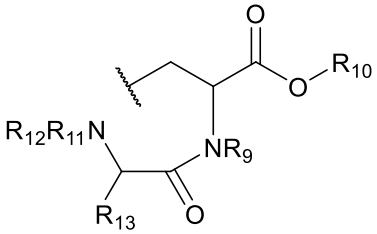
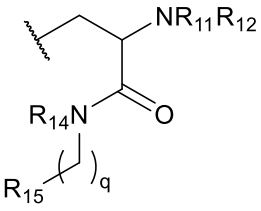
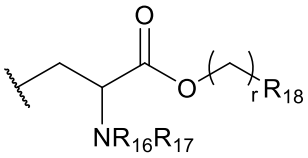

, wherein R_7 is selected from –C(=O)-O-R_8, 
,

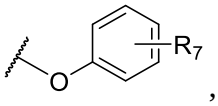
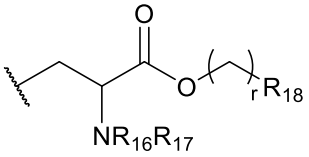
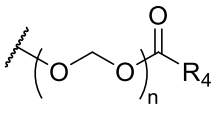
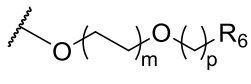
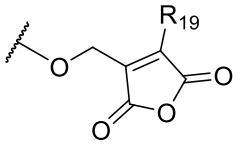
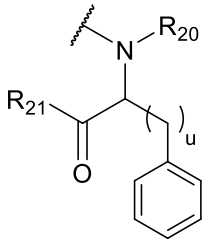

, and 
;

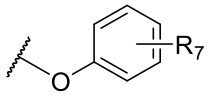
(g) R_1 is 
, wherein R_7 is 
and R_2 is selected from –OR_3, 
, 
, 
,

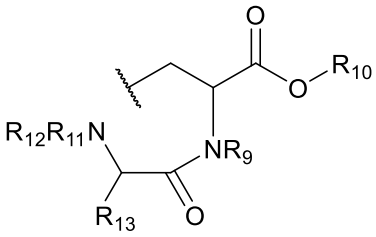
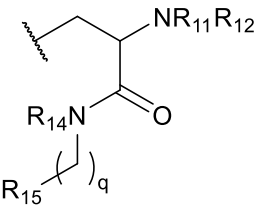
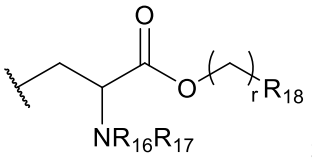

, and 
, wherein R_7 is selected from –C(=O)-O-R_8,


, 
, and 
;

(h) R_1 is , wherein R_7 is  and R_2 is selected from $-OR_3$, , , , , and , wherein R_7 is selected from $-C(=O)-O-R_8$, , , and ; and

(i) R_1 is , wherein R_7 is  and R_2 is selected from $-OR_3$, , , , ,

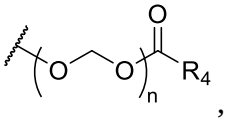
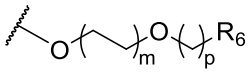
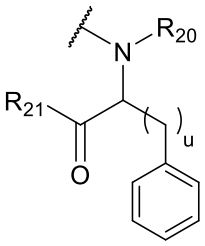
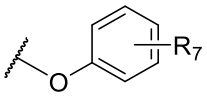
and , wherein R_7 is selected from –C(=O)-O-R_8,

, , and ;

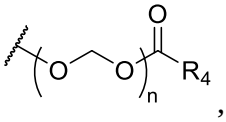
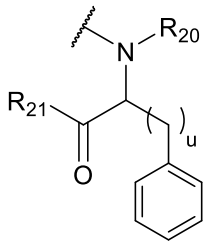
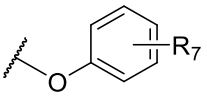
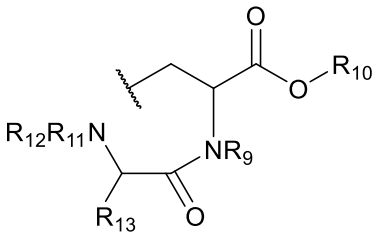
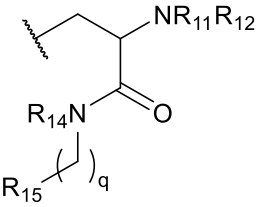
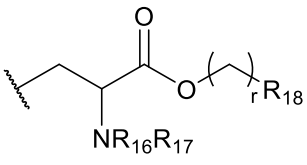
provided that R_1 and R_2 cannot both be -OH or both be –OR_3 at the same time; and pharmaceutically acceptable salts thereof.

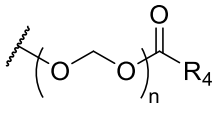
3. The compound of claim 1, wherein:

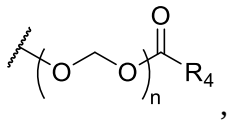
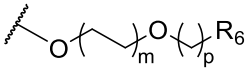
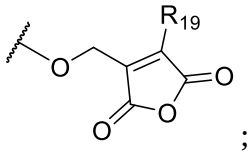
(a-i) R_1 is –OH and R_2 is selected from:

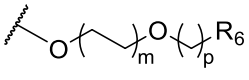
, , , and , wherein R_7 is –C(=O)-O-R_8;

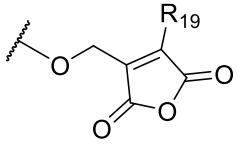
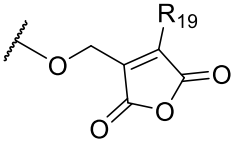
(a-ii) R_1 is –OR_3 and R_2 is selected from:

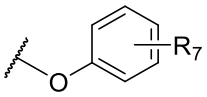
, ; and , wherein R_7 is selected from –C(=O)-O-R_8, , , and ;

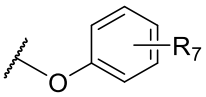
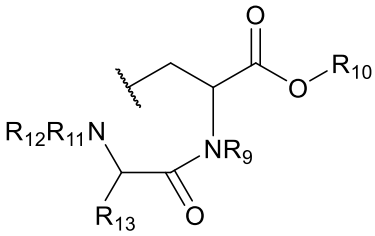
(b) R_1 is  and R_2 is selected from:

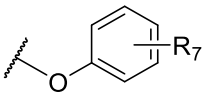
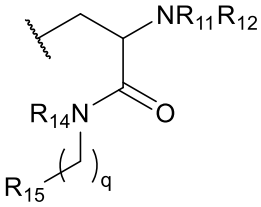
$-OR_3$, , , and ;

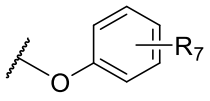
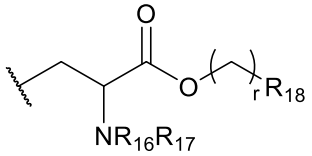
(c) R_1 is  and R_2 is $-OR_3$;

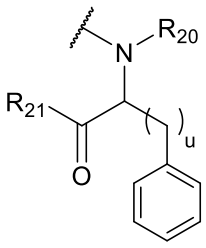
(d) R_1 is  and R_2 is selected from: $-OR_3$ and ;

(e) R_1 is , wherein R_7 is $-C(=O)-O-R_8$ and R_2 is $-OR_3$;

(f) R_1 is , wherein R_7 is  and R_2 is $-OR_3$;

(g) R_1 is , wherein R_7 is  and R_2 is $-OR_3$;

(h) R_1 is , wherein R_7 is  and R_2 is $-OR_3$; and

(i) R_1 is  and R_2 is $-OR_3$.

4. The compound of any of claims 1-3, wherein R_3, R_4, R_5, R_6, R_8, R_9, R_{10}, R_{13}, R_{15}, and R_{22} are each independently selected from methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, iso-butyl, t-butyl, pentyl, isopentyl, neopentyl, n-hexyl, 2-methylpentane, 3-methylpentane, 2,2-dimethylbutane, and 2,3-dimethylbutane.

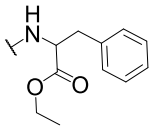
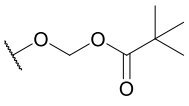
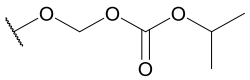
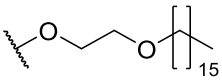
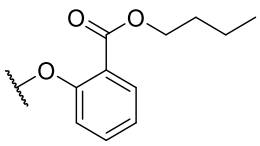
5. The compound of any of claims 1-4, wherein R_9, R_{14}, R_{16}, R_{17}, R_{19}, R_{20}, R_{23}, and R_{24} are each independently selected from methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, iso-butyl, and t-butyl.

6. The compound of any of claims 1-5, wherein the protecting group is selected from tert-butoxycarbonyl (boc), carbobenzyloxy (Cbz), p-Methoxybenzyl carbonyl (Moz or MeOZ), 9-fluorenylmethyloxycarbonyl (Fmoc) group, benzyl (Bn), p-methoxybenzyl (PMB), 3,4-dimethoxybenzyl (DMPM), tosyl (Ts), Troc (trichloroethyl chloroformate), (4-nitrophenyl)sulfonyl (Nosyl), and nitrophenylsulfenyl (Nps).

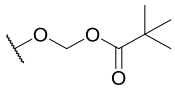
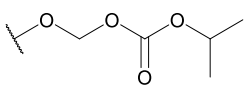
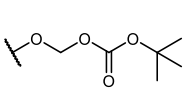
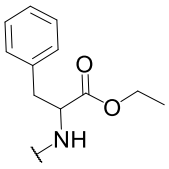
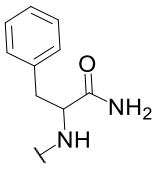
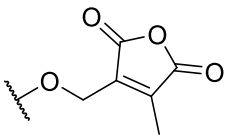
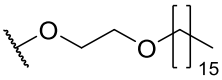
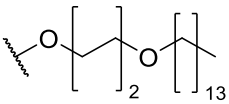
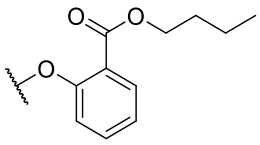
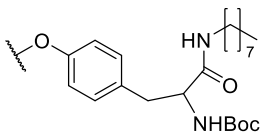
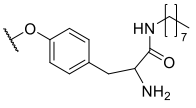
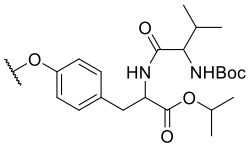
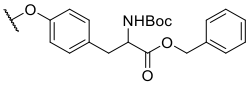
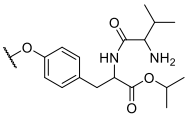
7. The compound of any of claim 1-6, wherein R_{18} is selected from phenyl.

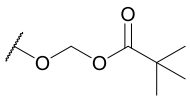
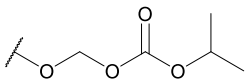
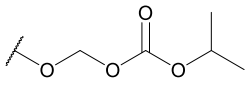
8. The compound of any of claims 1-7, wherein:

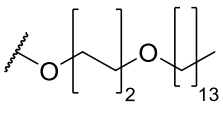
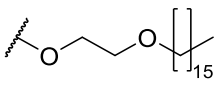
(a-i) R_1 is $-OH$ and R_2 is selected from:

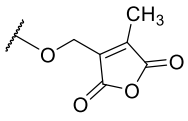
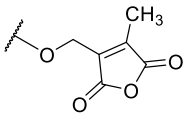
 (**2**),  (**8**),  (**22**),  (**30**), and  (**33**);

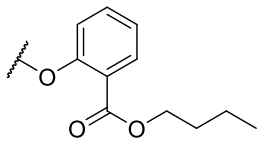
(a-ii) R_1 is selected from $–OCH_3$, $–OCH(CH_3)_2$, and $–OC(CH_3)_3$ and R_2 is selected from:

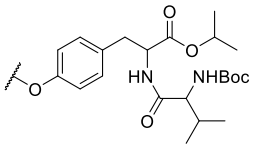
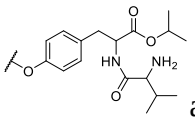
 (**7**, **9**, **23**),  (**21**), ,  (**25**),  (**26**),  (**28**),  (**29**),  (**31**),  (**32**),  (**34**),  (**35**),  (**36**),  (**37**), and  (**38**);

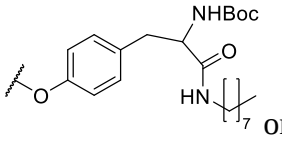
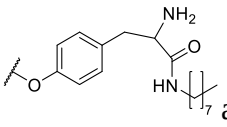
(b) R_1 is  or  and R_2 is $–OCH_3$ (**5**, **6**) or  (**10**);

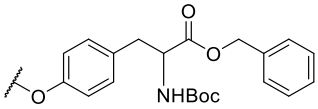
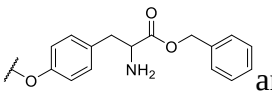
(c) R_1 is  or  and R_2 is $–OCH_3$ (**12**, **13**);

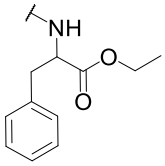
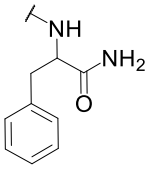
(d) R_1 is  and R_2 is selected from: $–OCH_3$ (**11**) and  (**27**);

(e) R_1 is  and R_2 is $–OCH_3$ (**14**);

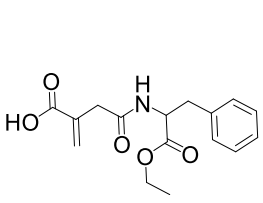
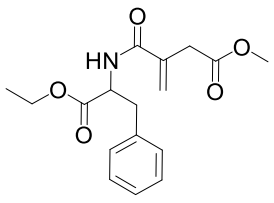
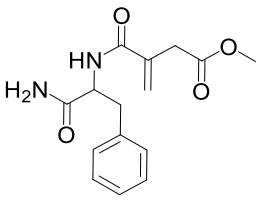
(f) R_1 is  or  and R_2 is $–OCH_3$ (**17**, **19**);

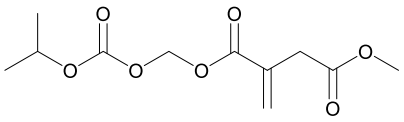
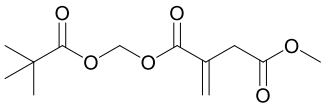
(g) R_1 is  or  and R_2 is $–OCH_3$ (**15**, **16**);

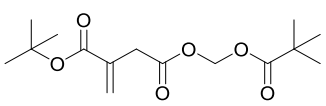
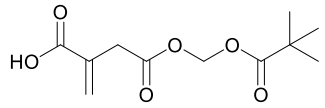
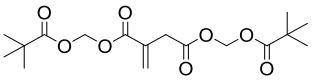
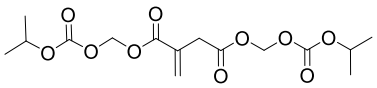
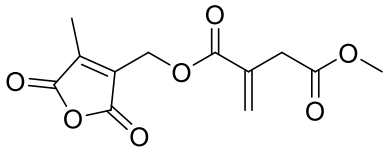
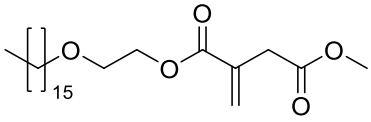
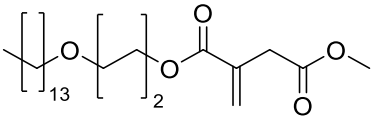
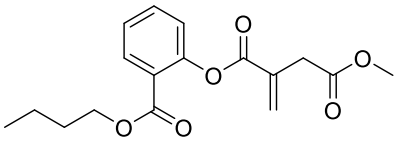
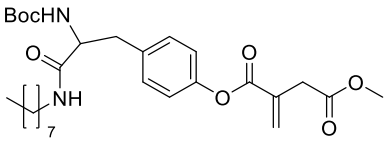
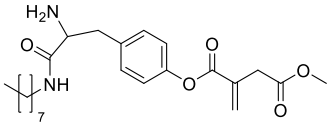
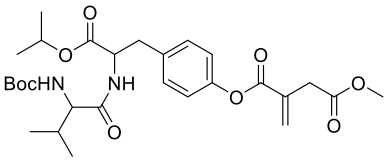
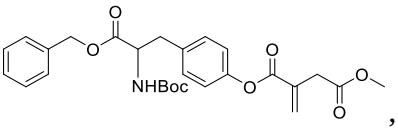
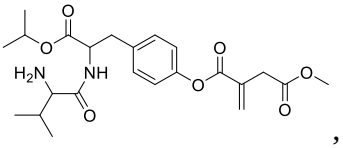
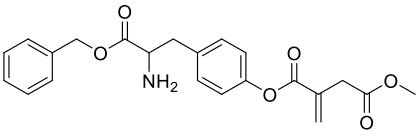
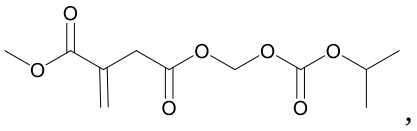
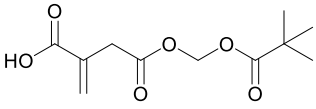
(h) R_1 is  or  and R_2 is $–OCH_3$ (**18**, **20**); and

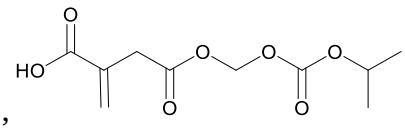
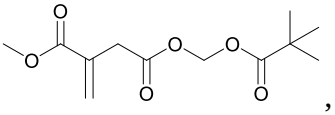
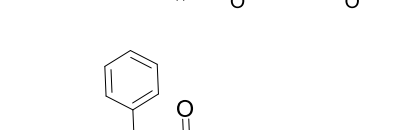
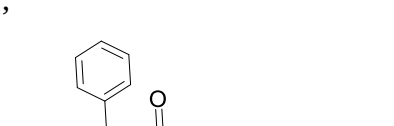
(i) R_1 is  or  and R_2 is $–OCH_3$ (**3**, **4**).

9. The compound of any of claims 1-8, wherein the compound of formula (I) is selected from:

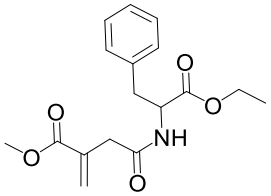
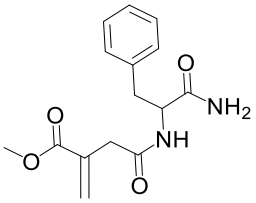
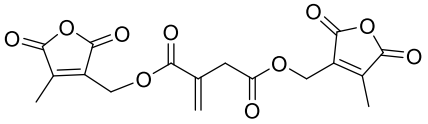
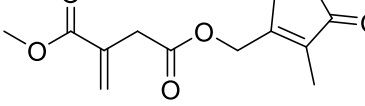
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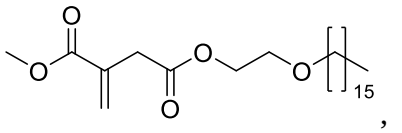
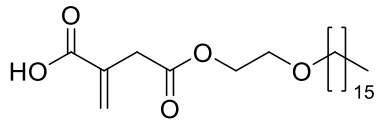
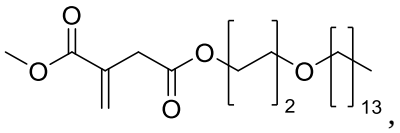
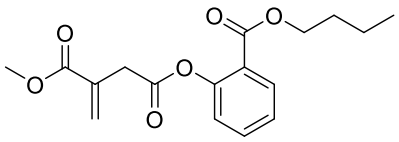
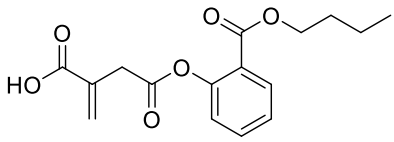
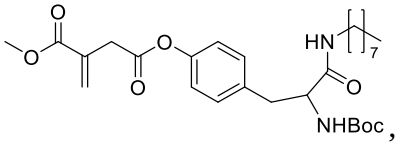
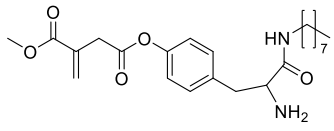
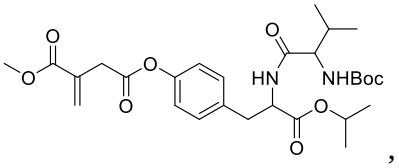
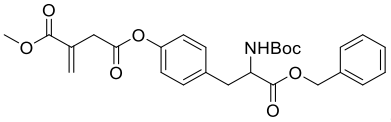
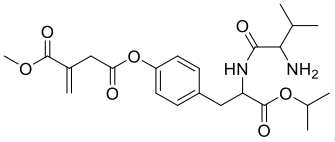
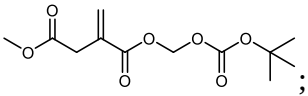
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; and pharmaceutically acceptable salts thereof.

10. A pharmaceutical composition comprising a compound of any of claims 1-9 and a pharmaceutically acceptable excipient.

11. The compound of any of claims 1-9 or the composition of claim 10 for use in therapy.

12. Use of the compound of any of claims 1-9 or the composition of claim 10 in the manufacture of a medicament for the treatment of a disease, disorder, or condition associated with inflammation, wherein the compound or composition is to be administered to a subject in need of treatment thereof.