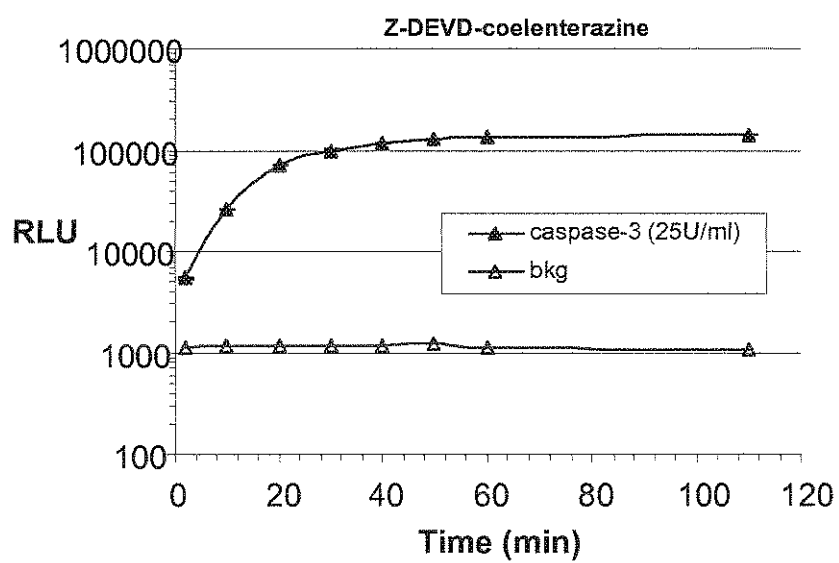
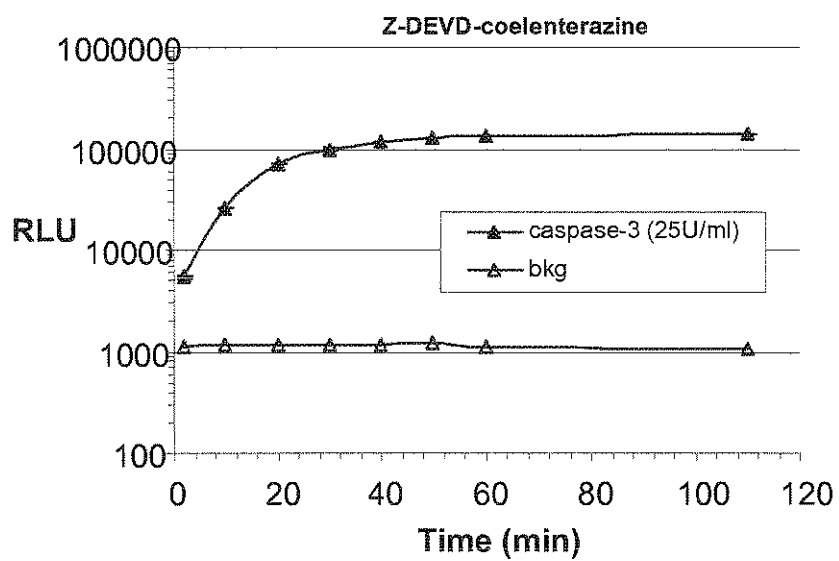


**FIG. 1**

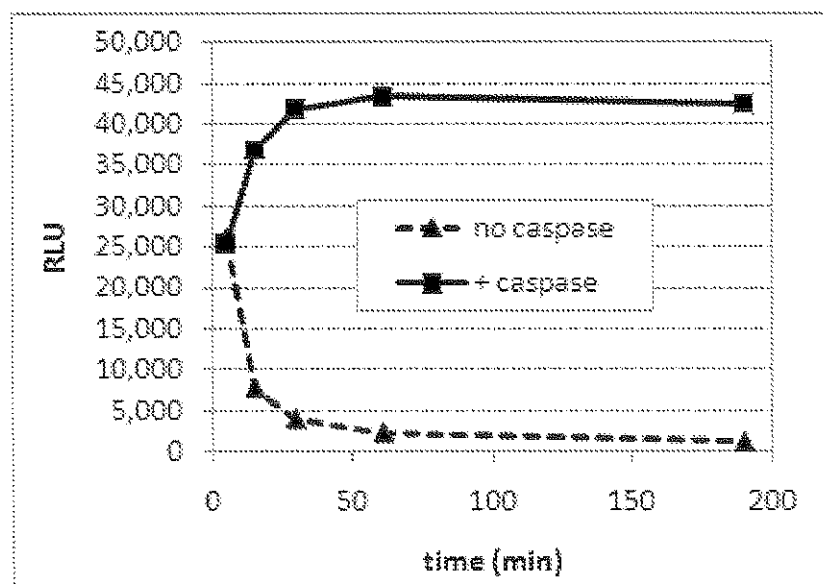
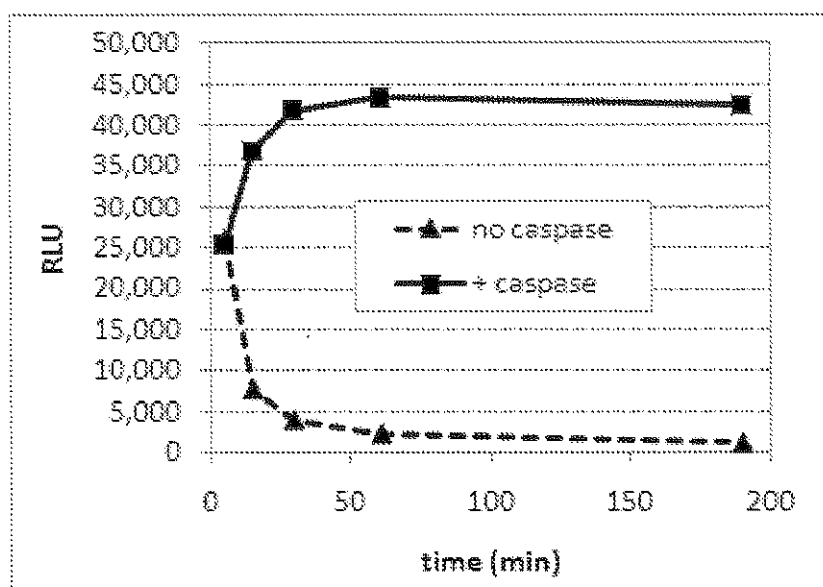
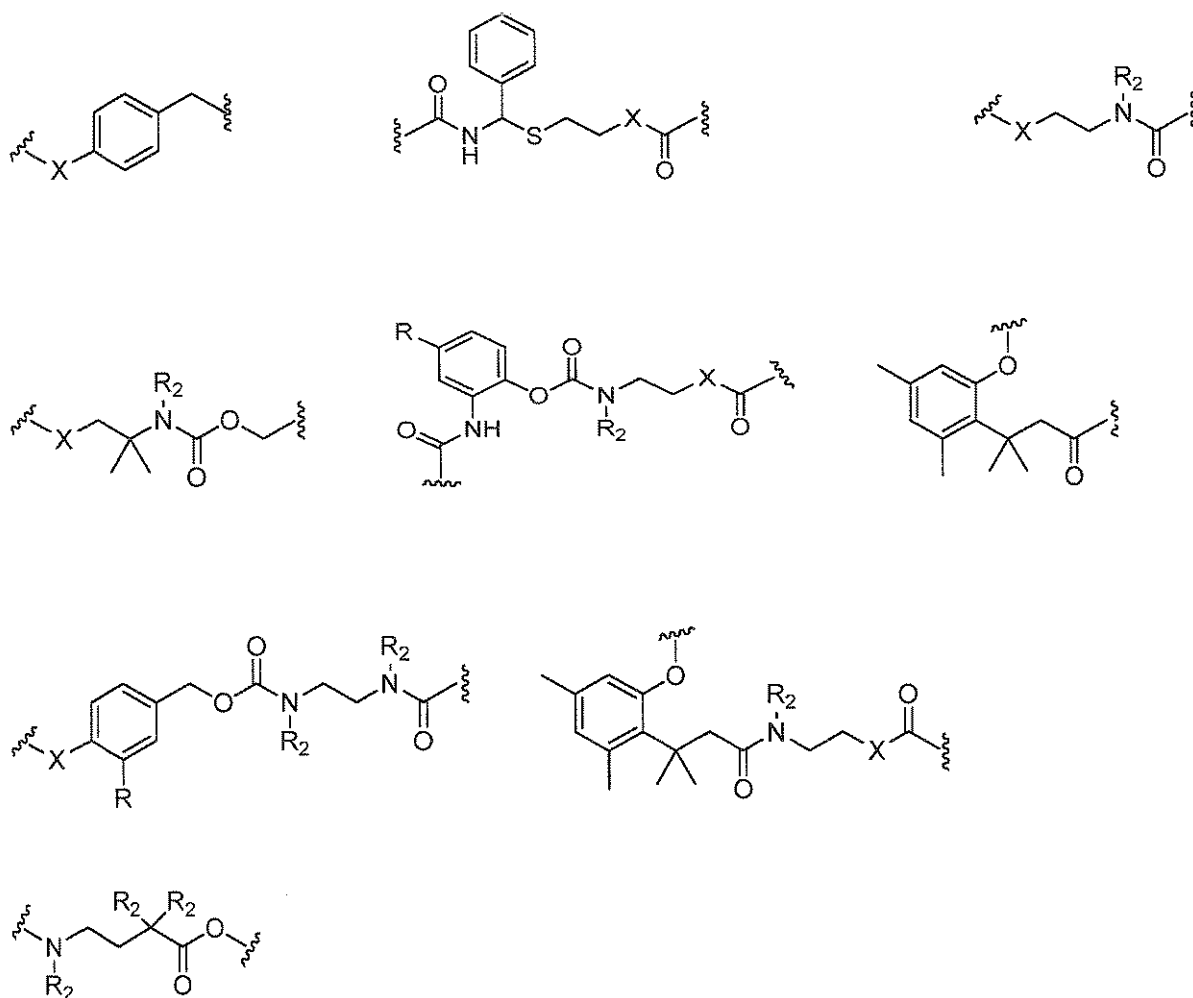


FIG. 2



each R is independently H, halogen or NO₂
 each R₂ is independently H or, Me
 each X is independently NH, NMe, O or S

FIG. 3

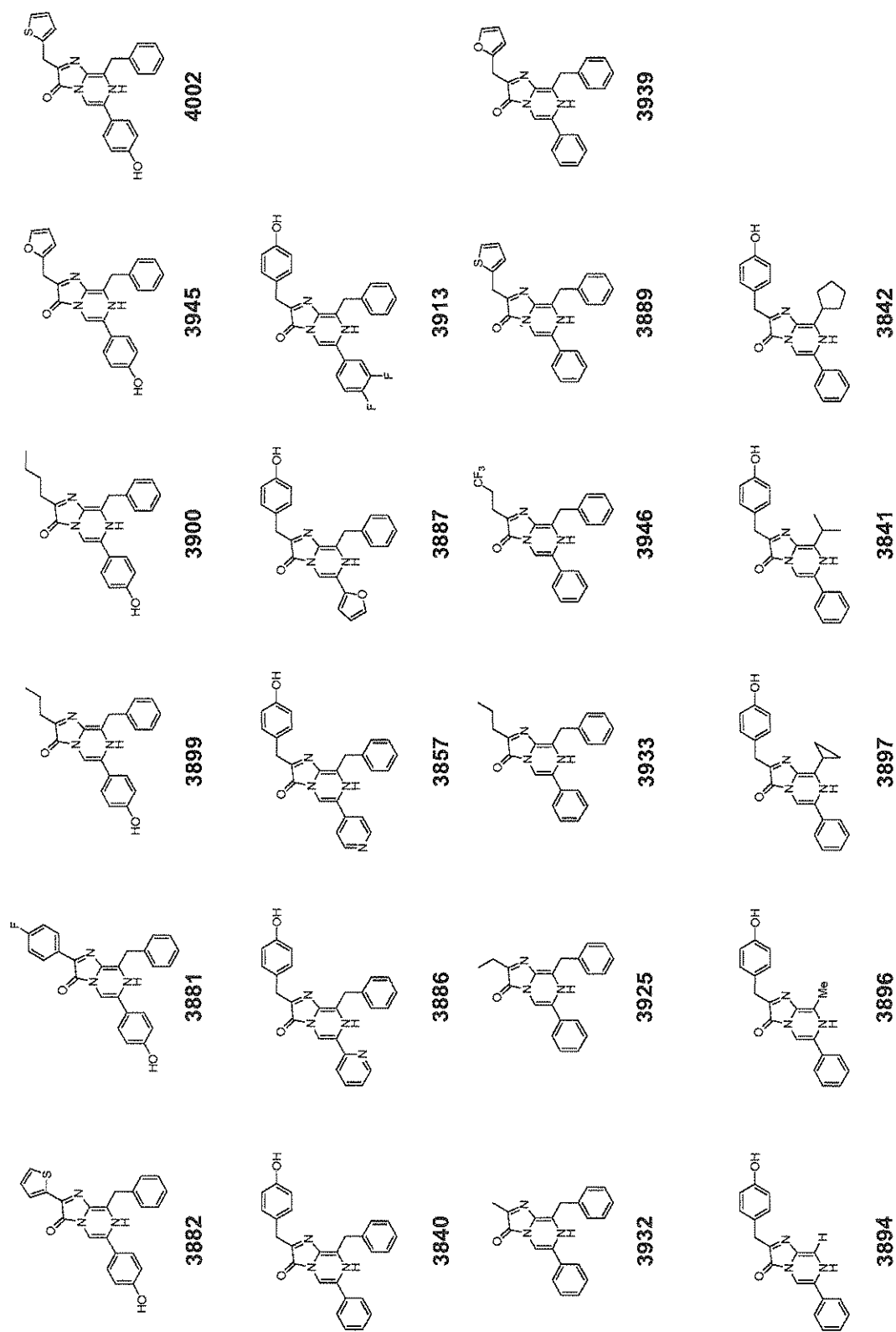
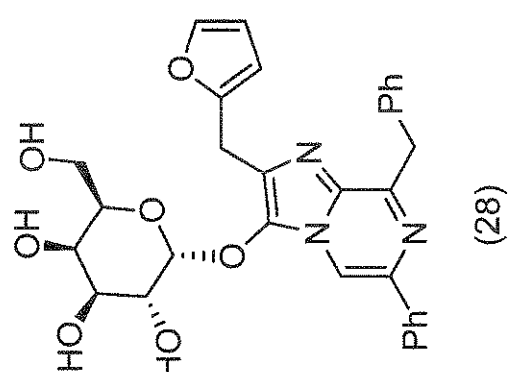
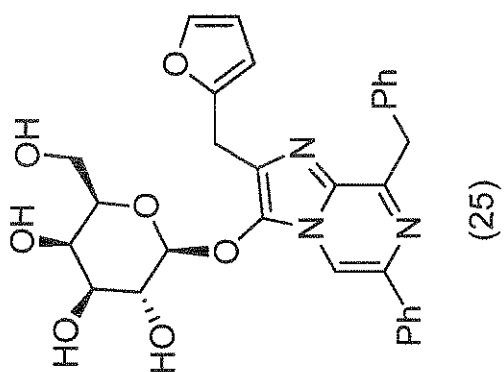
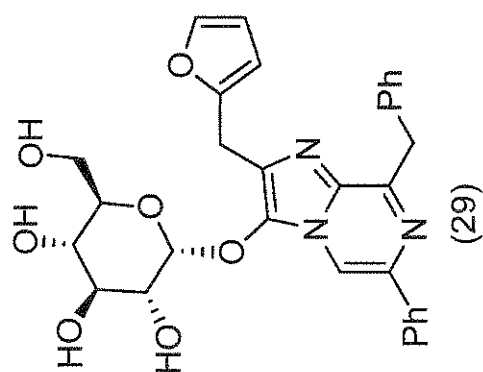
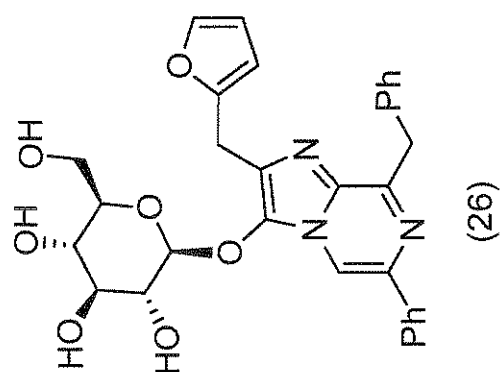
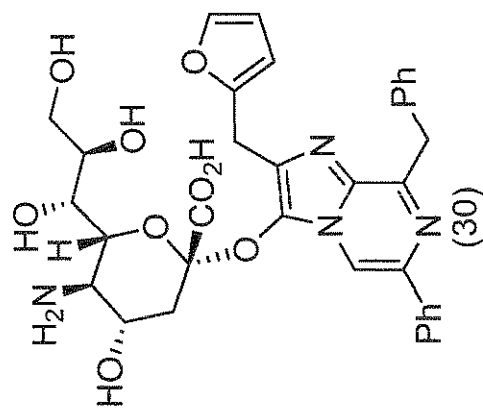
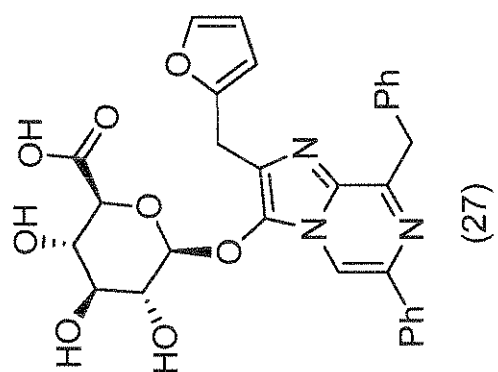


FIG. 4

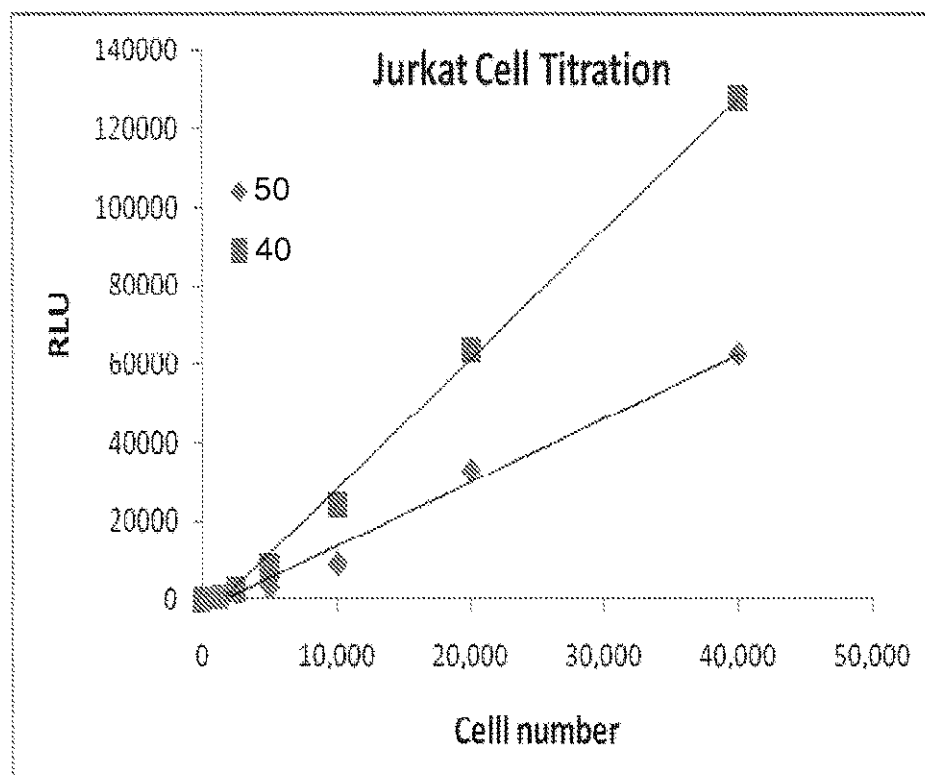
**FIG. 5**

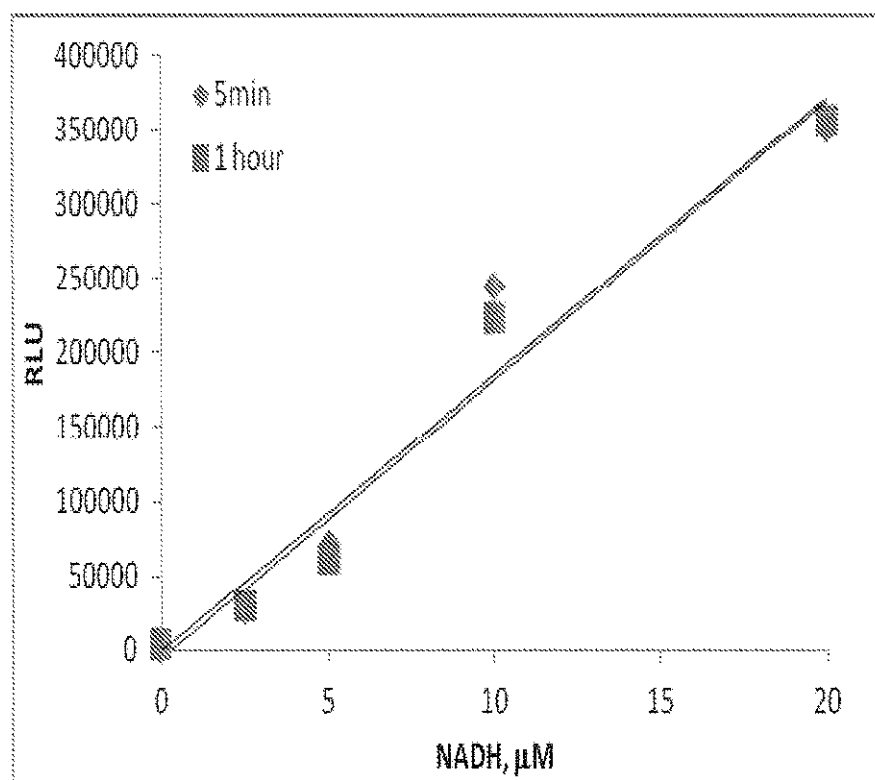
Substrate	Enzyme
Asp-Glu-Val-Asp	Caspases 3/7
Leu-Glu-Thr-Asp	Caspase 8
Leu-Glu-His-Asp	Caspase 9
Val-Asp-Val-Ala-Asp	Caspase 2
Gly-Pro	Dipeptidyl peptidase 4 (DPPIV)
Val-Pro	Dipeptidyl peptidase 4 (DPPIV)
Leu-Leu-Val-Tyr	Calpain and Chymotrypsin-like proteasome
Gln-Glu-Val-Tyr	Calpain and Chymotrypsin-like proteasome
Leu-Arg-Arg	Trypsin-like proteasome
norLeu-Pro-norLeu-Asp	Caspase-like proteasome
Ileu-Glu-Pro-Asp	Granzyme B
Ileu-Glu-Thr-Asp	Granzyme B or Caspase 6
Phe-Arg	Cathepsins B/L
Leu-Arg	Cathepsin K
Gly-Pro-Arg	Thrombin
Gly-Gly-Arg	Thrombin
Lys	Trypsin
Ala-Ala-Phe	Aminopeptidase
Thr-Ser-Ala-Val-Leu-Gln	SARS protease
Val-Asn-Ser-Thr-Leu-Gln	SARS protease

FIG. 6

VP-coelenterazine	Boc-VPR-coelenterazine
Z-QEVY-coelenterazine	Z-PRNK-coelenterazine
Z-IEPD-coelenterazine	M-coelenterazine
Z-IETD-coelenterazine	L-coelenterazine
Z-FR-coelenterazine	Z-AGR-coelenterazine
Z-LR-coelenterazine	Z-RRVR-coelenterazine
Z-GPR-coelenterazine	Ac-PAL-coelenterazine
Z-GGR-coelenterazine	Ac-ANW-coelenterazine
Ac-K-coelenterazine	Z-LPSR-coelenterazine
Z-TSAVLQ-coelenterazine	Z-QTGG-coelenterazine
Z-VNSTLQ-coelenterazine	Ac- QTGG-coelenterazine
Ac-RLR-coelenterazine	Z-HLVLRLRGG-coelenterazine
Z-LSTR-coelenterazine	Ac-LRSR-coelenterazine
Boc-LSTR-coelenterazine	Z-WEHD-coelenterazine
Suc-AAPF-coelenterazine	Z-STFAQP-coelenterazine
Z-ATAD-coelenterazine	Boc-QAR-coelenterazine
Z-IVLD-coelenterazine	Ac-OFR-coelenterazine

FIG. 7

**FIG. 8**

**FIG. 9**

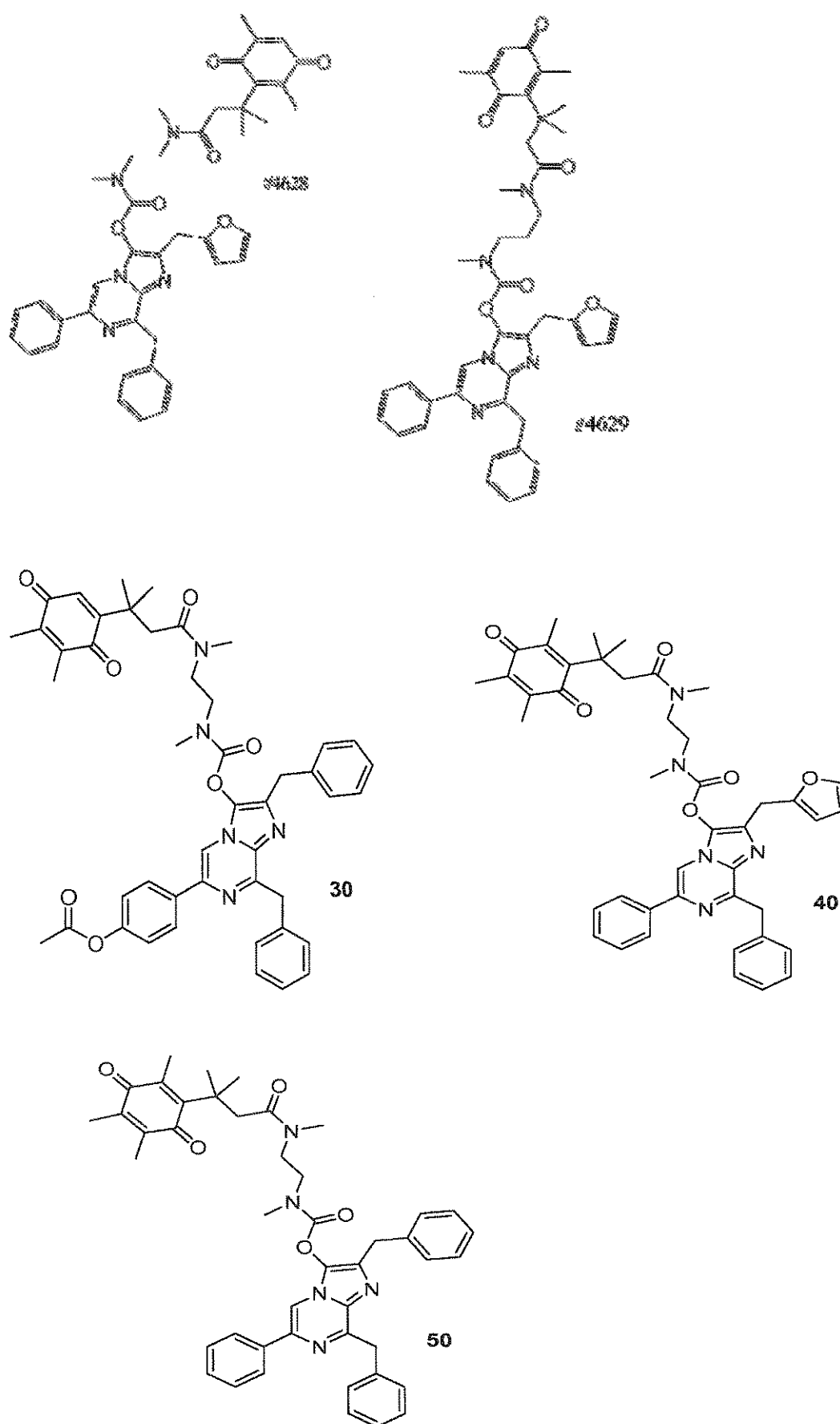


FIG. 10