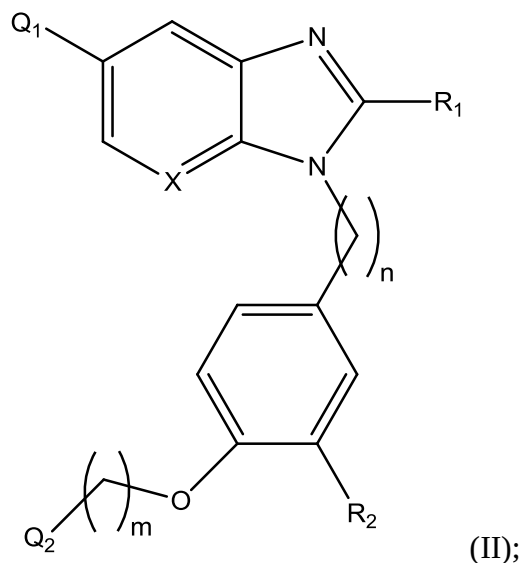


CLAIMS

1. A compound comprising the structure of Formula (II):



5 wherein:

n is 1;

m is 1;

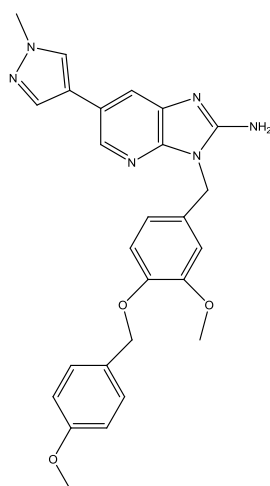
Q¹ is (C₂-C₉)heteroaryl wherein the (C₂-C₉)heteroaryl is optionally substituted
by one to four groups selected from (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl,
10 (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl,
(C₂-C₉)heteroaryl, (C₁-C₁₀)alkylamine, (C₁-C₁₀)alkyl-C(O)O-,
COOH-(C₁-C₁₀)alkyl, COOH-(C₃-C₁₀)cycloalkyl, (C₁-C₁₀)alkyl-O-, -
OH, -NH₂, R⁷R⁸N-, R⁷R⁸N(O)C-, R⁷(O)CR⁸N-, F₃C-, NC-,
(C₃-C₁₀)alkyl(O)P-, (C₃-C₁₀)alkyl-S-, (C₃-C₁₀)cycloalkyl-S-, (C₆-
15 C₁₄)aryl-S-, (C₂-C₉)heteroalkyl-S-, (C₂-C₉)heterocycloalkyl-S-,
(C₂-C₉)heteroaryl-S-, (C₃-C₁₀)alkyl(O)S-, (C₃-C₁₀)cycloalkyl(O)S-,
(C₆-C₁₄)aryl(O)S-, (C₂-C₉)heteroalkyl(O)S-,
(C₂-C₉)heterocycloalkyl(O)S-, (C₂-C₉)heteroaryl(O)S-, (C₃-C₁₀)alkyl-
O₂S-, (C₃-C₁₀)cycloalkyl-O₂S-, (C₆-C₁₄)aryl-O₂S-, (C₂-C₉)heteroalkyl-
20 O₂S-, (C₂-C₉)heterocycloalkyl-O₂S-, (C₂-C₉)heteroaryl-O₂S-, or
R⁷R⁸NO₂S-,

wherein R^7 and R^8 is each independently H, (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl;
 Q^2 is (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl, (C₃-C₁₀)cycloalkyl, or (C₂-C₉)heterocycloalkyl,
 wherein the (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl, (C₃-C₁₀)cycloalkyl, or (C₂-C₉)heterocycloalkyl is optionally substituted by one to four groups selected from (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl, (C₁-C₁₀)alkylamine, (C₁-C₁₀)alkyl-C(O)O-, COOH-(C₁-C₁₀)alkyl, COOH-(C₃-C₁₀)cycloalkyl, (C₁-C₁₀)alkyl-O-, -OH, -NH₂, R^7R^8N -, $R^7R^8N(O)C$ -, $R^7(O)CR^8N$ -, F₃C-, NC-, (C₃-C₁₀)alkyl(O)P-, (C₃-C₁₀)alkyl-S-, (C₃-C₁₀)cycloalkyl-S-, (C₆-C₁₄)aryl-S-, (C₂-C₉)heteroalkyl-S-, (C₂-C₉)heterocycloalkyl-S-, (C₂-C₉)heteroaryl-S-, (C₃-C₁₀)alkyl(O)S-, (C₃-C₁₀)cycloalkyl(O)S-, (C₆-C₁₄)aryl(O)S-, (C₂-C₉)heteroalkyl(O)S-, (C₂-C₉)heterocycloalkyl(O)S-, (C₂-C₉)heteroaryl(O)S-, (C₃-C₁₀)alkyl-O₂S-, (C₃-C₁₀)cycloalkyl-O₂S-, (C₆-C₁₄)aryl-O₂S-, (C₂-C₉)heteroalkyl-O₂S-, (C₂-C₉)heterocycloalkyl-O₂S-, (C₂-C₉)heteroaryl-O₂S-, or $R^7R^8NO_2S$ -,
 wherein R^7 and R^8 is each independently H, (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl;
 X is N,
 R^1 is H or NH₂; and
 R^2 is (C₁-C₁₀)alkyl-O-.

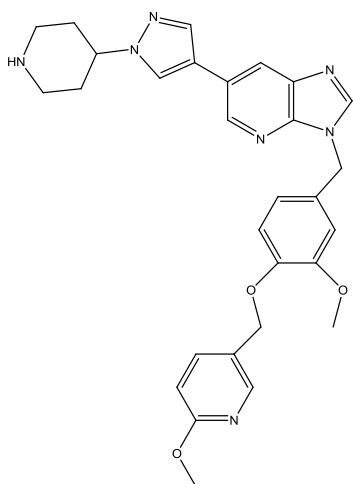
2. The compound according to claim 1, wherein Q^2 is (C₆-C₁₄)aryl or (C₂-C₉)heteroaryl,
 wherein the (C₆-C₁₄)aryl or (C₂-C₉)heteroaryl is optionally substituted by one to four groups selected from (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl, (C₁-C₁₀)alkylamine, (C₁-C₁₀)alkyl-C(O)O-,

- COOH-(C₁-C₁₀)alkyl, COOH-(C₃-C₁₀)cycloalkyl, (C₁-C₁₀)alkyl-O-, -OH, -NH₂, R⁷R⁸N-, R⁷R⁸N(O)C-, R⁷(O)CR⁸N-, F₃C-, NC-, (C₃-C₁₀)alkyl(O)P-, (C₃-C₁₀)alkyl-S-, (C₃-C₁₀)cycloalkyl-S-, (C₆-C₁₄)aryl-S-, (C₂-C₉)heteroalkyl-S-, (C₂-C₉)heterocycloalkyl-S-, (C₂-C₉)heteroaryl-S-, (C₃-C₁₀)alkyl(O)S-, (C₃-C₁₀)cycloalkyl(O)S-, (C₆-C₁₄)aryl(O)S-, (C₂-C₉)heteroalkyl(O)S-, (C₂-C₉)heterocycloalkyl(O)S-, (C₂-C₉)heteroaryl(O)S-, (C₃-C₁₀)alkyl-O₂S-, (C₃-C₁₀)cycloalkyl-O₂S-, (C₆-C₁₄)aryl-O₂S-, (C₂-C₉)heteroalkyl-O₂S-, (C₂-C₉)heterocycloalkyl-O₂S-, (C₂-C₉)heteroaryl-O₂S-, or R⁷R⁸NO₂S-,
- wherein R⁷ and R⁸ is each independently H, (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl.
3. The compound according to claim 2, wherein Q² is (C₆-C₁₄)aryl optionally substituted by one to four groups selected from (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl, (C₁-C₁₀)alkylamine, (C₁-C₁₀)alkyl-C(O)O-, COOH-(C₁-C₁₀)alkyl, COOH-(C₃-C₁₀)cycloalkyl, (C₁-C₁₀)alkyl-O-, -OH, -NH₂, R⁷R⁸N-, R⁷R⁸N(O)C-, R⁷(O)CR⁸N-, F₃C-, NC-, (C₃-C₁₀)alkyl(O)P-, (C₃-C₁₀)alkyl-S-, (C₃-C₁₀)cycloalkyl-S-, (C₆-C₁₄)aryl-S-, (C₂-C₉)heteroalkyl-S-, (C₂-C₉)heterocycloalkyl-S-, (C₂-C₉)heteroaryl-S-, (C₃-C₁₀)alkyl(O)S-, (C₃-C₁₀)cycloalkyl(O)S-, (C₆-C₁₄)aryl(O)S-, (C₂-C₉)heteroalkyl(O)S-, (C₂-C₉)heterocycloalkyl(O)S-, (C₂-C₉)heteroaryl(O)S-, (C₃-C₁₀)alkyl-O₂S-, (C₃-C₁₀)cycloalkyl-O₂S-, (C₆-C₁₄)aryl-O₂S-, (C₂-C₉)heteroalkyl-O₂S-, (C₂-C₉)heterocycloalkyl-O₂S-, (C₂-C₉)heteroaryl-O₂S-, or R⁷R⁸NO₂S-,
- wherein R⁷ and R⁸ is each independently H, (C₁-C₁₀)alkyl, (C₂-C₉)heteroalkyl, (C₃-C₁₀)cycloalkyl, (C₂-C₉)heterocycloalkyl, (C₆-C₁₄)aryl, (C₂-C₉)heteroaryl.
4. The compound according to claim 1, wherein R¹ is H.
5. The compound according to claim 1, wherein R¹ is NH₂.

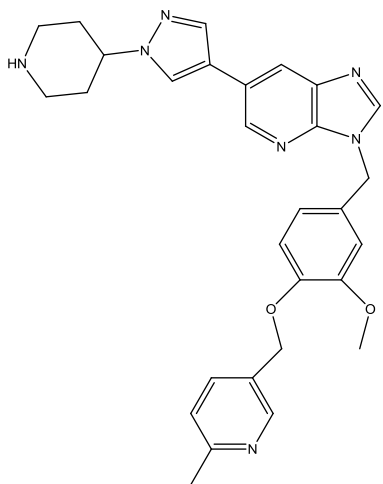
6. The compound according to claim 1, wherein R^2 is $(C_1-C_{10})alkyl-O-$.
7. The compound according to claim 6, wherein R^2 is CH_3-O- or CH_3-CH_2-O- .
- 5 8. The compound according to claim 1, wherein X is N and R^2 is CH_3-O- .
9. The compound according to claim 8, wherein
 Q^1 is methylpyrazole; and
 Q^2 is methoxybenzene.
- 10 10. The compound according to claim 8, wherein
 Q^1 is 2-(dimethyl(methylene)phosphoranyl)pyridine; and
 Q^2 is methoxybenzene.
- 15 11. The compound according to claim 8, wherein
 Q^1 is 4-(1H-pyrazol-1-yl)piperidine; and
 Q^2 is methoxybenzene.
12. The compound according to claim 8, wherein
20 Q^1 is 4-(1H-pyrazol-1-yl)piperidine; and
 Q^2 is methylpyridine.
13. The compound according to claim 1, wherein the compound is:



14. The compound according to claim 1, wherein the compound is:

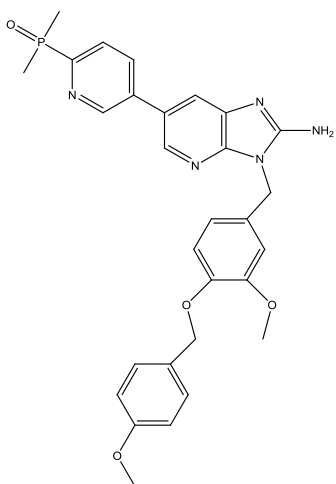


15. The compound according to claim 1, wherein the compound is:



5

16. The compound according to claim 1, wherein the compound is:



17. The compound according to claim 1, selected from the group consisting of
 3-(3-methoxy-4-((6-methoxypyridin-3-yl)methoxy)benzyl)-6-(1-(piperidin-4-yl)-1H-
 pyrazol-4-yl)-3H-imidazo[4,5-*b*]pyridine,
 3-(3-Methoxy-4-((4-methoxybenzyl)oxy)benzyl)-6-(1-methyl-1H-pyrazol-4-yl)-3H-
 5 imidazo[4,5-*b*]pyridin-2-amine,
 (5-(2-Amino-3-(3-methoxy-4-((4-methoxybenzyl)oxy)benzyl)-3H-imidazo[4,5-
b]pyridin-6-yl)pyridin-2-yl)dimethylphosphine oxide,
 3-(3-Methoxy-4-((6-methylpyridin-3-yl)methoxy)benzyl)-6-(1-(piperidin-4-yl)-1H-
 pyrazol-4-yl)-3H-imidazo[4,5-*b*]pyridine,
 10 3-(3-(3-Methoxy-4-((6-methoxypyridin-3-yl)methoxy)benzyl)-3H-imidazo[4,5-
b]pyridin-6-yl)-5-(piperidin-4-yl)-1,2,4-oxadiazole,
 2-(3-(3-Methoxy-4-((6-methoxypyridin-3-yl)methoxy)benzyl)-3H-imidazo[4,5-
b]pyridin-6-yl)-5-(piperidin-4-yl)-1,3,4-oxadiazole,
 2-(1-(3-(3-Methoxy-4-((6-methoxypyridin-3-yl)methoxy)benzyl)-3H-imidazo[4,5-
 15 *b*]pyridin-6-yl)-1H-1,2,3-triazol-4-yl)propan-2-amine; and
 3-(3-Methoxy-4-((6-methoxypyridin-3-yl)methoxy)benzyl)-6-(4-(piperidin-3-yl)-1H-
 1,2,3-triazol-1-yl)-3H-imidazo[4,5-*b*]pyridine.

18. A pharmaceutical composition comprising a compound according to any one
 20 of claims 1 to 17.

19. Use of a compound according to any one of claims 1 to 17 or the
 pharmaceutical composition according to claim 18 in the manufacture of a
 medicament for the treatment of inflammatory diseases, autoimmune disease, defects
 25 of bone metabolism or cancer.

20. Use of a compound according to any one of claims 1 to 17 or the
 pharmaceutical composition according to claim 18 in the manufacture of a
 medicament for the treatment of osteoarthritis.

21. Use of a compound according to any one of claims 1 to 17 or the
 pharmaceutical composition according to claim 18 in the manufacture of a
 medicament for the treatment of pain.

22. The use of claim 21, wherein the pain is post-operative pain.
23. Use of a compound according to any one of claims 1 to 17 or the
5 pharmaceutical composition according to claim 18 in the manufacture of a
medicament for the treatment of pain associated with osteoarthritis.