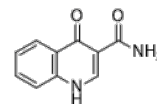


**Product Name** : CB2 agonist 4Q3C  
**Cat. No.** : PC-23401  
**CAS No.** : 103914-79-0  
**Molecular Formula** : C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 188.19  
**Target** : Cannabinoid Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

4Q3C is a selective CB2 receptor agonist, has selectivity index 10,000 more over CB1.

4Q3C significantly inhibits the mechanosensitivity of mucosal bladder afferents to stroking.

4Q3C significantly reduces the severity of arthritis, decreased histopathological findings, and markedly reduced bone erosion in collagen-induced arthritis (CIA) mice.

4Q3C prevents an increase in the nuclear factor- $\kappa$ B ligand (RANKL)/osteoprotegerin (OPG) ratio and inhibits the formation of osteoclasts in CIA mice.

### References

Bai J, et al. Biomed Pharmacother. 2019 Aug;116:109025.

Christie S, et al. Am J Physiol Renal Physiol. 2021 May 1;320(5):F859-F865.

Pasquini S, et al. J Med Chem 54: 5444-5453, 2011.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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