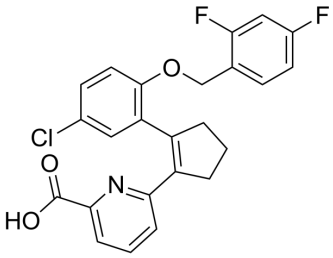
# GW 848687X

| | |
|---|---|
| **Cat. No.:** | HY-14466 |
| **CAS No.:** | 612831-24-0 |
| **Molecular Formula:** | $C_{24}H_{18}ClF_2NO_3$ |
| **Molecular Weight:** | 441.85 |
| **Target:** | Prostaglandin Receptor |
| **Pathway:** | GPCR/G Protein |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |




## BIOLOGICAL ACTIVITY

**Description**

GW 848687X is a selective, orally active prostaglandin EP1 receptor antagonist for the inhibition of inflammatory pain. The oral bioavailability of GW 848687X was 54% in rats and 53% in dogs. GW 848687X has a half-life of 2 hours and has inhibitory potential for both acute and chronic pain[1].

**In Vivo**

GW 848687X (30 mg/kg; po; b.i.d, 5 d) exhibits antihyperalgesic activity in an FCA-induced inflammatory joint pain model[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

| | |
|---|---|
| Animal Model: | FCA induced joint pain model of inflammatory pain[1] |
| Dosage: | 30mg/kg |
| Administration: | po; twice daily for 5 days |
| Result: | Completely reversed pain sensation in rats and had anti-pain effects. |

## REFERENCES

[1]. Giblin GM, et al. The discovery of 6-[2-(5-chloro-2-{[(2,4-difluorophenyl)methyl]oxy}phenyl)-1-cyclopenten-1-yl]-2-pyridinecarboxylic acid, GW848687X, a potent and selective prostaglandin EP1 receptor antagonist for the treatment of inflammatory pain. Bioorg Med Chem Lett. 2007 Jan 15;17(2):385-9.



Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA