

Product Data Sheet

Product Name: L 888607

Cat. No.: GC31768

Chemical Properties

Cas. No. 860033-06-3

SMILES O=C(O)C[C@@H]1CCN2C1=C(SC3=CC=C(Cl)C=C3)C4=C2C=C(F)C=C4

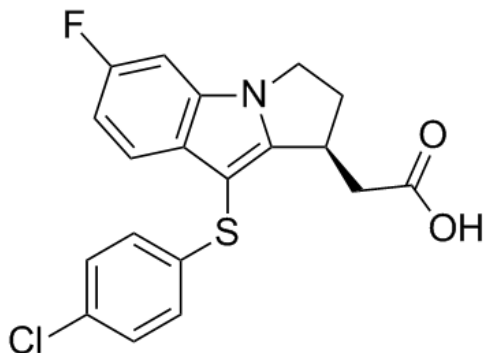
Formula $C_{19}H_{15}ClFNO_2S$ M.Wt 375.84

Solubility DMSO : ≥ 150 mg/mL (399.11 mM); Water : < 0.1 mg/mL (insoluble) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

L 888607 is a potent, and selective CRTH2 (also known as DP2) agonist with a K_i of 0.8 ± 0.4 nM.

Caution: Product has not been fully validated for medical applications. For research use only.

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L 888607 (L-888,607) is administered to mice either intravenously (i.v.) or orally (p.o.) to determine its pharmacokinetic profile over an 8-h period. After an intravenous administration of 5 mg/kg L 888607, blood analysis reveals a peak level (C_{max}) of 36.1 μM , a half-life ($t_{1/2}$) of 2.9 h, a trough level at 8 h (C_{8h}) of 3.5 μM , and an area under the curve 0-8h of 87.1 μM . After oral administration of 20 mg/kg L 888607, blood analysis reveals a C_{max} of 31.6 μM , a $t_{1/2}$ of 4 h, a C_{8h} at 8 h of 15.4 μM , an area under the curve 0-8h of 166 μM , and a bioavailability of 48%[1].

[1]. Gervais FG, Identification of a potent and selective synthetic agonist at the CRTH2 receptor. Mol Pharmacol. 2005 Jun;67(6):1834-9. [2]. Ulven T, et al. Novel CRTH2 antagonists: a review of patents from 2006 to 2009. Expert Opin Ther Pat. 2010 Nov;20(11):1505-30.

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