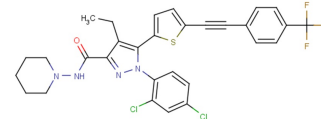


TM38837

Chemical Properties

CAS No.: 1253641-65-4
Formula: C₃₀H₂₅Cl₂F₃N₄O₂
Molecular Weight: 617.51
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	TM38837 is an antagonist of cannabinoid receptor type 1 (CB1), with potential for the treatment of obesity and type 2 diabetes.
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Solubility Information

Solubility	DMSO: 40 mg/mL (64.77 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.619 mL	8.097 mL	16.194 mL
5 mM	0.324 mL	1.619 mL	3.239 mL
10 mM	0.162 mL	0.810 mL	1.619 mL
50 mM	0.032 mL	0.162 mL	0.324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Micale V, et al. The Cannabinoid CB1 Antagonist TM38837 With Limited Penetrance to the Brain Shows Reduced Fear-Promoting Effects in Mice. *Front Pharmacol.* 2019 Mar 20;10:207.
- Akihiro, Takano, Balázs, et al. Low brain CB1 receptor occupancy by a second generation CB1 receptor antagonist TM38837 in comparison with rimonabant in nonhuman primates: A PET study[J]. *Synapse*, 2013.

Inhibitors · Natural Compounds · Compound Libraries

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