

NE 52-QQ57

Chemical Properties

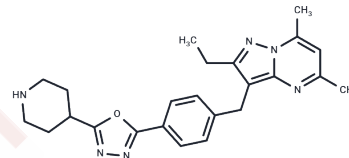
CAS No. : 1401728-56-0

Formula: C₂₄H₂₈N₆O

Molecular Weight: 416.52

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NE 52-QQ57 is a selective, orally available antagonist of GPR4 (IC ₅₀ : 70 nM) with anti-inflammatory activity.
Targets(IC ₅₀)	GPCR

Solubility Information

Solubility	DMSO: 5 mg/mL (12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4008 mL	12.0042 mL	24.0085 mL
5 mM	0.4802 mL	2.4008 mL	4.8017 mL
10 mM	0.2401 mL	1.2004 mL	2.4008 mL
50 mM	0.048 mL	0.2401 mL	0.4802 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Hosford PS, et al. CNS distribution, signalling properties and central effects of G-protein coupled receptor 4. *Neuropharmacology*. 2018 Aug;138:381-392.

Velcicky J, et al. Development of Selective, Orally Active GPR4 Antagonists with Modulatory Effects on Nociception, Inflammation, and Angiogenesis. *J Med Chem*. 2017 May 11;60(9):3672-3683.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481