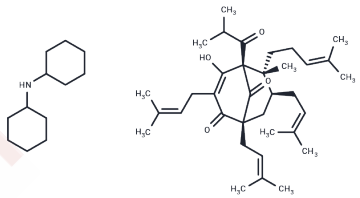
Data Sheet (Cat.No.T15541)

TargetMol

Hyperforin dicyclohexylammonium salt

Chemical Properties



CAS No. : 238074-03-8

Formula: C47H75NO4

Molecular Weight: 718.1

Appearance: no data available

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

Biological Description

Description	Hyperforin dicyclohexylammonium salt is a transient receptor canonical 6 channel activator with antidepressant effect. It modulates Ca2+ levels by activating Ca2+-conducting non-selective canonical TRPC6 channels.
Targets(IC50)	Others
In vitro	Hyperforin dicyclohexylammonium salt shows a multi-directional mechanism of action. It also blocks the conductance of ligand-gated (GABA, NMDA, and AMPA receptors) and voltage-gated channels (Ca2+, K+, and Na+)[2].

Solubility Information

Solubility	DMSO: 50 mg/mL (69.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3926 mL	6.9628 mL	13.9256 mL
5 mM	0.2785 mL	1.3926 mL	2.7851 mL
10 mM	0.1393 mL	0.6963 mL	1.3926 mL
50 mM	0.0279 mL	0.1393 mL	0.2785 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

Heiser JH, et al. TRPC6 channel-mediated neurite outgrowth in PC12 cells and hippocampal neurons involves activation of RAS/MEK/ERK, PI3K, and CAMKIV signaling. J Neurochem. 2013 Nov;127(3):303-13.
Pochwat B, et al. Hyperforin Potentiates Antidepressant-Like Activity of Lanicemine in Mice. Front Mol Neurosci. 2018 Dec 12;11:456.

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