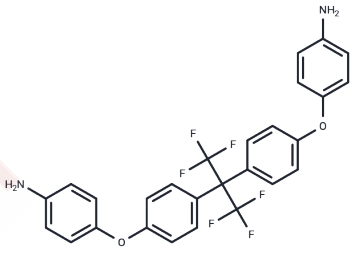
Data Sheet (Cat.No.T37296)

TargetMol

GI-530159

Chemical Properties



CAS No. : 69563-88-8

Formula: C27H20F6N2O2

Molecular Weight: 518.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	TREK1 and TREK2 channel activator (EC50 = 0.76 μM in Rb efflux assay in TREK1-expressing CHO cells). Exhibits selectivity for TREK1/2 over TRAAK, TASK3 and a range of other potassium channels. Hyperpolarizes membrane potential of dorsal root ganglion neurons and depresses neuronal activity in vitro.
Targets(IC50)	Others,Potassium Channel

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9288 mL	9.6441 mL	19.2883 mL
5 mM	0.3858 mL	1.9288 mL	3.8577 mL
10 mM	0.1929 mL	0.9644 mL	1.9288 mL
50 mM	0.0386 mL	0.1929 mL	0.3858 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Loucif et al (2018) GI-530159, a novel, selective, mechanosensitive two-pore-domain potassium (K2P) channel opener, reduces rat dorsal root ganglion neuron excitability. Br.J.Pharmacol. 175 2272 PMID:29150838

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