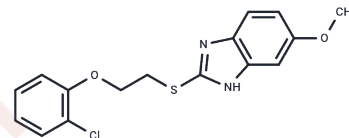


Sperm motility agonist-2

Chemical Properties

CAS No. :	926079-67-6
Formula:	C ₁₆ H ₁₅ ClN ₂ O ₂ S
Molecular Weight:	334.82
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	Sperm motility agonist-2 is a potent soluble adenylyl cyclase (sAC) agonist. It enhances sperm motility and hyperactivation by increasing cAMP levels, used in fertility research.
Targets(IC50)	cAMP

Solubility Information

Solubility	DMSO: 200 mg/mL (597.34 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	2.9867 mL	14.9334 mL	29.8668 mL
5 mM	0.5973 mL	2.9867 mL	5.9734 mL
10 mM	0.2987 mL	1.4933 mL	2.9867 mL
50 mM	0.0597 mL	0.2987 mL	0.5973 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

Maggiore LL, et al. Apstatin analogue inhibitors of aminopeptidase P, a bradykinin-degrading enzyme. J Med Chem. 1999 Jul 1;42(13):2394-402.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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