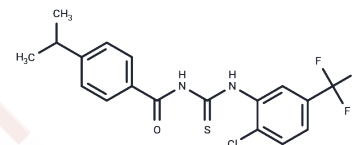


Mesendogen

Chemical Properties

CAS No. :	864716-85-8
Formula:	C ₁₈ H ₁₆ ClF ₃ N ₂ O ₅
Molecular Weight:	400.85
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	Mesendogen is an inhibitor of transient receptor potential cation channel, subfamily M, member 6 (TRPM6) and 7 (TRPM7) and acts by inhibiting TRPM6/TRPM7 magnesium channel activity.
Targets(IC50)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (137.21 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	2.4947 mL	12.4735 mL	24.947 mL
5 mM	0.4989 mL	2.4947 mL	4.9894 mL
10 mM	0.2495 mL	1.2473 mL	2.4947 mL
50 mM	0.0499 mL	0.2495 mL	0.4989 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

Geng Y, Feng B. Mesendogen, a novel inhibitor of TRPM6, promotes mesoderm and definitive endoderm differentiation of human embryonic stem cells through alteration of magnesium homeostasis. Heliyon. 2015 Dec 1;1(4):e00046.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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