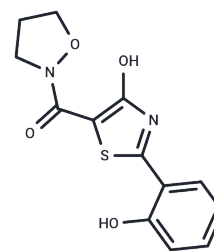


TRPM8 antagonist 3

Chemical Properties

CAS No. :	2102179-29-1
Formula:	C ₁₃ H ₁₂ N ₂ O ₄ S
Molecular Weight:	292.31
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	TRPM8 antagonist 3 is a blocker of TRPM8 (IC ₅₀ = 11 nM).
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 50 mg/mL (171.05 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	3.421 mL	17.1051 mL	34.2103 mL
5 mM	0.6842 mL	3.421 mL	6.8421 mL
10 mM	0.3421 mL	1.7105 mL	3.421 mL
50 mM	0.0684 mL	0.3421 mL	0.6842 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

Bianchini G, et al. Discovery of Novel TRPM8 Blockers Suitable for the Treatment of Somatic and Ocular Painful Conditions: A Journey through pKa and LogD Modulation. J Med Chem. 2021 Nov 25;64(22):16820-16837.

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