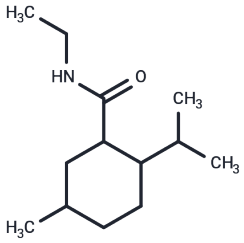
Data Sheet (Cat.No.T5962)

TargetMol

TRPM8 antagonist WS-3

Chemical Properties



CAS No. : 39711-79-0

Formula: C13H25NO

Molecular Weight: 211.34

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 WS-3 (Cyclohexanecarboxamide) is an agonist of TRPM8(EC50 : 3.7 μM).
Targets(IC50)	Endogenous Metabolite,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 100 mg/mL (473.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (15.61 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7317 mL	23.6586 mL	47.3171 mL
5 mM	0.9463 mL	4.7317 mL	9.4634 mL
10 mM	0.4732 mL	2.3659 mL	4.7317 mL
50 mM	0.0946 mL	0.4732 mL	0.9463 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

H-J Behrendt, Germann T , Gillen C , et al. Characterization of the mouse cold-menthol receptor TRPM8 and vanilloid receptor type-1 VR1 using a fluorometric imaging plate reader (FLIPR) assay[J]. British Journal of Pharmacology, 2004, 141(4).

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