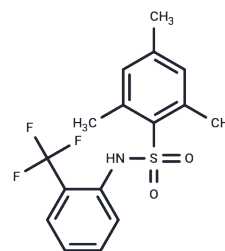


o-3M3FBS

Chemical Properties

CAS No. :	313981-55-4
Formula:	C ₁₆ H ₁₆ F ₃ NO ₂ S
Molecular Weight:	343.36
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	O-3M3FBS is an inactive analog of m-3M3FBS (PLC activator).
Targets(IC50)	Others, Calcium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (160.18 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: 2 mg/mL (5.82 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9124 mL	14.562 mL	29.124 mL
5 mM	0.5825 mL	2.9124 mL	5.8248 mL
10 mM	0.2912 mL	1.4562 mL	2.9124 mL
50 mM	0.0582 mL	0.2912 mL	0.5825 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

Szebenyi SA, Ogura T, Sathyanesan A, AlMatrouk AK, Chang J, Lin W. Increases in intracellular calcium via activation of potentially multiple phospholipase C isozymes in mouse olfactory neurons. *Front Cell Neurosci.* 2014 Oct 21;8:336.

Dwyer L, Kim HJ, Koh BH, Koh SD. Phospholipase C-independent effects of 3M3FBS in murine colon. *Eur J Pharmacol.* 2010 Feb 25;628(1-3):187-94.

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