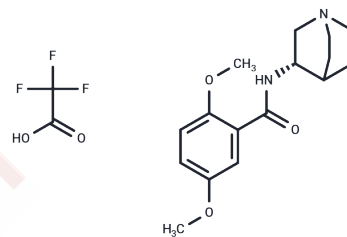


## PSEM 89S TFA

## Chemical Properties

CAS No. :	1336913-03-1
Formula:	C <sub>18</sub> H <sub>23</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	404.38
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	PSEM 89S TFA is a brain-penetrant and selective ion channels agonist, and is orthogonally selective for Q79G and L141F, respectively.
Targets(IC50)	AChR

## Solubility Information

Solubility	DMSO: 3.33 mg/mL (8.23 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: 1 mg/mL (2.47 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	2.4729 mL	12.3646 mL	24.7292 mL
5 mM	0.4946 mL	2.4729 mL	4.9458 mL
10 mM	0.2473 mL	1.2365 mL	2.4729 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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

Christopher JM, et, al. Chemical and genetic engineering of selective ion channel-ligand interactions. Science. 2011 Sep 2; 333(6047): 1292-6.

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