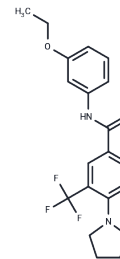


Ro 5212773

Chemical Properties

CAS No. : 1110781-88-8
Formula: C₂₀H₂₁F₃N₂O₂
Molecular Weight: 378.39
Storage: Store at low temperature
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	Ro 5212773 (Epptb) is a selective TAAR1 antagonist.
Targets(IC50)	Others
In vivo	EPPTB prevents the reduction of the firing frequency of DA neurons induced by p-tyramine (p-tyr), a nonselective TAAR1 agonist. The EPPTB effects were absent in Taar1 knockout mice, ruling out off-target effects[2].

Solubility Information

Solubility	DMSO: 55 mg/mL (145.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.61 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	2.6428 mL	13.2139 mL	26.4278 mL
5 mM	0.5286 mL	2.6428 mL	5.2856 mL
10 mM	0.2643 mL	1.3214 mL	2.6428 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

Bradaia A , Trube G , Stalder H , et al. The selective antagonist EPPTB reveals TAAR1-mediated regulatory mechanisms in dopaminergic neurons of the mesolimbic system[J]. Proc Natl Acad Sci U S A, 2009, 106(47):20081-20086.

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