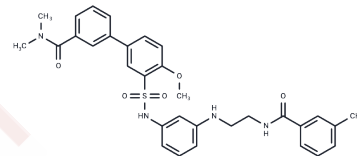


Orexin 2 Receptor Agonist

Chemical Properties

CAS No. :	1796565-52-0
Formula:	C ₃₂ H ₃₄ N ₄ O ₅ S
Molecular Weight:	586.7
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	Orexin 2 Receptor Agonist (OX2R) is an effective (EC ₅₀ : 23 nM) and OX2R-selective (OX1R/OX2R EC ₅₀ ratio: 70) agonist.
Targets(IC ₅₀)	OX Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (85.22 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 (3.41 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	1.7044 mL	8.5222 mL	17.0445 mL
5 mM	0.3409 mL	1.7044 mL	3.4089 mL
10 mM	0.1704 mL	0.8522 mL	1.7044 mL
50 mM	0.0341 mL	0.1704 mL	0.3409 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

Nagahara T, et al. J Med Chem. 2015 Oct 22;58(20):7931-7.

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