

CCX777

Chemical Properties

CAS No. : 1226686-36-7

Formula: C₃₁H₄₃N₇O₃S

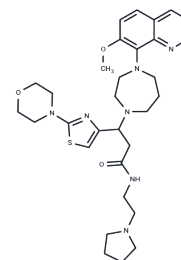
Molecular Weight: 593.78

Storage:

Keep away from direct sunlight, Keep away from moisture

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	CCX777 is a partial agonist recruited to ACKR3 by β -arrestin-2 and is used in cancer research.
Targets(IC ₅₀)	Arrestin

Solubility Information

Solubility	DMSO: 50 mg/mL (84.21 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 (3.37 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	1.6841 mL	8.4206 mL	16.8413 mL
5 mM	0.3368 mL	1.6841 mL	3.3683 mL
10 mM	0.1684 mL	0.8421 mL	1.6841 mL
50 mM	0.0337 mL	0.1684 mL	0.3368 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

Gustavsson M, et al. Structural basis of ligand interaction with atypical chemokine receptor 3. Nat Commun. 2017 Jan 18;8:14135.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481