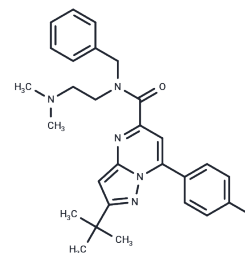


## SMANT hydrochloride

## Chemical Properties

CAS No. :	1177600-74-6
Formula:	C <sub>16</sub> H <sub>24</sub> BrClN <sub>2</sub> O
Molecular Weight:	375.73
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	SMANT hydrochloride (N-(4-bromophenyl)-3-(3,5-dimethylpiperidin-1-yl)propanamide hydrochloride) is an antagonist of Smoothed accumulation.
Targets(IC50)	Hedgehog/Smoothed, Smo

## Solubility Information

Solubility	H <sub>2</sub> O: < 7.51 mg/mL, Sonication is recommended. DMSO: 35 mg/mL (93.15 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 (5.32 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	2.6615 mL	13.3074 mL	26.6149 mL
5 mM	0.5323 mL	2.6615 mL	5.323 mL
10 mM	0.2661 mL	1.3307 mL	2.6615 mL
50 mM	0.0532 mL	0.2661 mL	0.5323 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

Wang Y, et al. Selective identification of hedgehog pathway antagonists by direct analysis of smoothed ciliary translocation. ACS Chem Biol. 2012 Jun 15;7(6):1040-8.

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