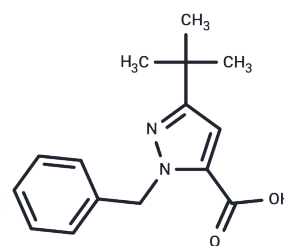


## SORT-PGRN interaction inhibitor 1

## Chemical Properties

CAS No. :	100957-85-5
Formula:	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	258.32
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	SORT-PGRN interaction inhibitor 1 is a potent inhibitor of the sortilin-progranulin interaction, with an IC <sub>50</sub> of 2 μM.
Targets(IC <sub>50</sub> )	Neurotensin Receptor

## Solubility Information

Solubility	DMSO: 60 mg/mL (232.27 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 (7.74 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	3.8712 mL	19.3558 mL	38.7117 mL
5 mM	0.7742 mL	3.8712 mL	7.7423 mL
10 mM	0.3871 mL	1.9356 mL	3.8712 mL
50 mM	0.0774 mL	0.3871 mL	0.7742 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

Shawn J Stachel, et al. Identification of potent inhibitors of the sortilin-progranulin interaction. Bioorg Med Chem Lett. 2020 Sep 1;30(17):127403.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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