

PF 429242

## Chemical Properties

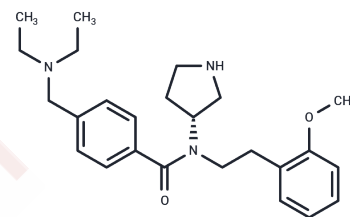
CAS No. : 947303-87-9

Formula: C<sub>25</sub>H<sub>35</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight: 409.56

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PF-429242 is a competitive inhibitor of sterol regulatory element-binding protein (SREBP) site 1 protease (IC <sub>50</sub> = 0.175 μM). It is selective for site 1 protease against a panel of serine proteases. PF-429242 inhibits rate of cholesterol synthesis in CHO cells (IC <sub>50</sub> = 0.53 μM).
Targets(IC <sub>50</sub> )	NPC1L1,Lipid,Fatty Acid Synthase,Virus Protease

## Solubility Information

Solubility	DMSO: 24.1 mg/mL (58.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4416 mL	12.2082 mL	24.4164 mL
5 mM	0.4883 mL	2.4416 mL	4.8833 mL
10 mM	0.2442 mL	1.2208 mL	2.4416 mL
50 mM	0.0488 mL	0.2442 mL	0.4883 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

Monnerie H, Romer M, Jensen BK, Millar JS, Jordan-Sciutto KL, Kim SF, Grinspan JB. Reduced sterol regulatory element-binding protein (SREBP) processing through site-1 protease (S1P) inhibition alters oligodendrocyte differentiation in vitro. J Neurochem.

Zhang L, Yi Y, Wang T, et al. 25-Hydroxycholesterol inhibits classical swine fever virus entry into porcine alveolar macrophages by depleting plasma membrane cholesterol. Veterinary Microbiology. 2023: 109668.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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