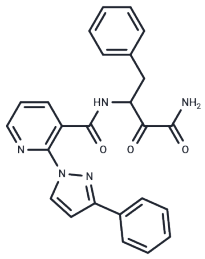
Data Sheet (Cat.No.T23596)

TargetMol

A-933548

Chemical Properties



CAS No. : 1037826-43-9

Formula: C25H21N5O3

Molecular Weight: 439.47

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	A-933548 is a potent Calpain inhibitor. A-933548 features enhanced selectivity versus related cysteine protease cathepsins, favorable microsomal stability, and efficacy in cellular assays.
Targets(IC50)	Others,Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2755 mL	11.3773 mL	22.7547 mL
5 mM	0.4551 mL	2.2755 mL	4.5509 mL
10 mM	0.2275 mL	1.1377 mL	2.2755 mL
50 mM	0.0455 mL	0.2275 mL	0.4551 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

Kling A, Jantos K, Mack H, Hornberger W, Drescher K, Nimmrich V, Relo A, Wicke K, Hutchins CW, Lao Y, Marsh K, Moeller A. Discovery of Novel and Highly Selective Inhibitors of Calpain for the Treatment of Alzheimer's Disease: 2-(3-Phenyl-1H-pyrazol-1-yl)-nicotinamides. J Med Chem. 2017 Aug 24;60(16):7123-7138. doi: 10.1021/acs.jmedchem.7b00731. Epub 2017 Aug 15. PubMed PMID: 28759231.

Mitigating the Metabolic Liability of Carbonyl Reduction: Novel Calpain Inhibitors with P1′ Extension Andreas Kling, Katja Jantos, Helmut Mack, Wilfried Hornberger, Gisela Backfisch, Yanbin Lao, Marjoleen Nijsen, Beatrice Rendenbach-Mueller, and Achim Moeller Publication Date (Web): February 4, 2018 (Letter) doi: 10.1021/acsmedchemlett.7b00494

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