

A-953227

Chemical Properties

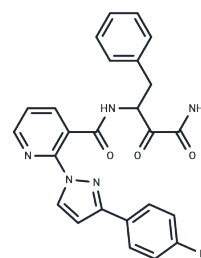
CAS No. : 1037826-77-9

Formula: C₂₅H₂₀FN₅O₃

Molecular Weight: 457.46

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-953227 is a highly effective and selective inhibitor of calpain. A-953227 features enhanced selectivity versus related cysteine protease cathepsins, favorable microsomal stability, and efficacy in cellular assays.
Targets(IC50)	Others,Serine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.186 mL	10.9299 mL	21.8598 mL
5 mM	0.4372 mL	2.186 mL	4.372 mL
10 mM	0.2186 mL	1.093 mL	2.186 mL
50 mM	0.0437 mL	0.2186 mL	0.4372 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

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