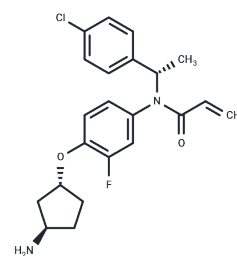


Bfl-1-IN-6

Chemical Properties

CAS No. :	3106363-91-8
Formula:	C ₂₂ H ₂₄ ClFN ₂ O ₂
Molecular Weight:	402.89
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	Bfl-1-IN-6 is a high-affinity Bfl-1/A1 inhibitor (IC ₅₀ = 19 nM). It neutralizes anti-apoptotic effects by binding to the hydrophobic groove of Bfl-1, sensitizing cancer cells to chemotherapy in hematological malignancy research.
Targets(IC ₅₀)	Bcl-2 Family
In vitro	Bfl-1-IN-6 is a covalent BFL1 inhibitor (IC ₅₀ = 19 nM) that triggers apoptosis via caspase-3 activation [1].
In vivo	Oral Bfl-1-IN-6 shows significant antitumor efficacy and suppresses tumor growth in mouse xenograft models [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4821 mL	12.4103 mL	24.8207 mL
5 mM	0.4964 mL	2.4821 mL	4.9641 mL
10 mM	0.2482 mL	1.241 mL	2.4821 mL
50 mM	0.0496 mL	0.2482 mL	0.4964 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

Wood MR, et al. Discovery of VU0467485/AZ13713945: An M4 PAM Evaluated as a Preclinical Candidate for the Treatment of Schizophrenia. ACS Med Chem Lett. 2016 Dec 16;8(2):233-238.

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