

YSY01A

Chemical Properties

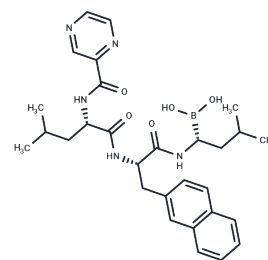
CAS No. : 1194235-46-5

Formula: C₂₉H₃₈BN₅O₅

Molecular Weight: 547.45

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	YSY01A is a proteasome inhibitor that suppresses cancer cell survival by inducing apoptosis (Apoptosis). It demonstrates IC ₅₀ values against various cell lines such as HEK293T, A549, MCF-7, MGC-803, and PC-3M with values of 51.01, 9.21, 5.21, 8.9, and 35.4 nM respectively. Additionally, YSY01A serves as a degrader of gp130 and JAK2, eliminating constitutive STAT3 signaling in human A549 lung cancer cells by downregulating gp130 and JAK2. YSY01A holds potential for research in cancer therapeutics.
Targets(IC ₅₀)	Proteasome,STAT,Interleukin,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8267 mL	9.1333 mL	18.2665 mL
5 mM	0.3653 mL	1.8267 mL	3.6533 mL
10 mM	0.1827 mL	0.9133 mL	1.8267 mL
50 mM	0.0365 mL	0.1827 mL	0.3653 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.

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