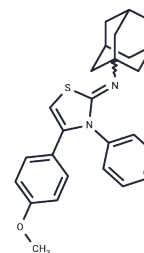


Antiproliferative agent-17

Chemical Properties

CAS No. :	2882206-08-6
Formula:	C ₂₆ H ₂₈ N ₂ O ₅
Molecular Weight:	416.58
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	Antiproliferative Agent-17 exhibits both antimicrobial properties against Gram-positive bacteria and anticancer activity [1].
Targets(IC50)	Others, Antibacterial, Sirtuin
In vitro	Antiproliferative agent-17 (compound 5e) exhibited activity against Gram-positive bacteria, including Staphylococcus aureus IFO 3060, Bacillus subtilis IFO 3007, and Micrococcus luteus IFO 3232, but showed no activity against tested Gram-negative bacteria and fungi [1]. It demonstrated antiproliferative effects with IC ₅₀ values of 12.85 μM for PC-3 (human prostate cancer), 11.96 μM for HCT-116 (human colorectal cancer), 16.30 μM for HepG-2 (human hepatocellular carcinoma), 9.87 μM for HeLa (human cervical cancer), and 6.90 μM for MCF-7 (human breast cancer) [1]. Additionally, it binds to the active site of the SIRT1 enzyme, occupying the positions of the NAD cofactor and the known histone deacetylase inhibitor EX527 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4005 mL	12.0025 mL	24.005 mL
5 mM	0.4801 mL	2.4005 mL	4.801 mL
10 mM	0.240 mL	1.2002 mL	2.4005 mL
50 mM	0.048 mL	0.240 mL	0.4801 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