

Autophagy inducer 6

Chemical Properties

CAS No. :

Formula: C₁₀H₁₉B₉N₂

Molecular Weight: 264.51

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	Autophagyinducer 6 (Compound 3) inhibits the production of ROS and RNS by targeting COX-1 (IC ₅₀ =15.3 μM) and COX-2 (IC ₅₀ =4.58 μM). It facilitates the formation of autophagosomes and induces autophagy (autophagy) as a cellular protection mechanism. Additionally, Autophagyinducer 6 triggers mild apoptosis (apoptosis) and suppresses the proliferation of cancer cell lines MC38, HCT116, and HCT29 with IC ₅₀ values of 9.5, 11.5, and 17.6 μM, respectively.
Targets(IC ₅₀)	Apoptosis,Reactive Oxygen Species,Autophagy,COX,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7806 mL	18.9029 mL	37.8058 mL
5 mM	0.7561 mL	3.7806 mL	7.5612 mL
10 mM	0.3781 mL	1.8903 mL	3.7806 mL
50 mM	0.0756 mL	0.3781 mL	0.7561 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