

Antitumor agent-190

Chemical Properties

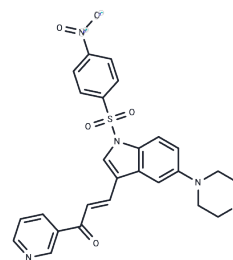
CAS No. :

Formula: C₂₆H₂₂N₄O₆S

Molecular Weight: 518.541

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	Antitumor agent-190 (Compound 26) is a hexokinase 2 (Hexokinase2) inhibitor that exhibits significant antitumor activity by targeting both microtubules and hexokinase 2 (Hexokinase2), with an IC ₅₀ value of 0.764 μM against MD-MBA-231 cells. It effectively suppresses Hexokinase2 activity, resulting in the accumulation of reactive oxygen species (Reactive Oxygen Species) and disruption of mitochondrial membrane potential (MMP), thus promoting apoptosis and causing cell cycle arrest.
Targets(IC ₅₀)	Reactive Oxygen Species,Hexokinase,Microtubule Associated,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9285 mL	9.6425 mL	19.2849 mL
5 mM	0.3857 mL	1.9285 mL	3.857 mL
10 mM	0.1928 mL	0.9642 mL	1.9285 mL
50 mM	0.0386 mL	0.1928 mL	0.3857 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