

CAY10443

Chemical Properties

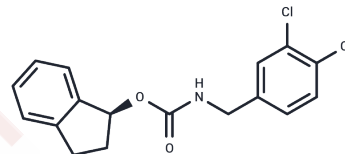
CAS No. : 582314-48-5

Formula: C₁₇H₁₅Cl₂N₂O₂

Molecular Weight: 336.21

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	Mitochondrial release of cytochrome c triggers apoptosis via the assembly of a multimeric complex including caspase-9, Apaf-1, and other components, sometimes called the apoptosome. Library screens have identified small molecules that activate the apoptosome by binding to one or more of its components. CAY10443 is one such molecule. In a cell free, multi-component assay, it activated caspase-3 with an EC ₅₀ of 5 μM. These apoptotic activators represent therapeutic lead compounds for the development of antitumor drugs.
Targets(IC ₅₀)	Apoptosis,Others,Caspase,Mitochondrial Metabolism,DNA/RNA Synthesis,PARP

Solubility Information

Solubility	DMSO: 25 mg/mL (74.36 mM),Sonication is recommended. DMF: 30 mg/mL (89.23 mM),Sonication is recommended. DMSO:PBS (pH 7.2)(1:2: 0.25 mg/mL (0.74 mM),Sonication is recommended. Ethanol: 5 mg/mL (14.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9743 mL	14.8717 mL	29.7433 mL
5 mM	0.5949 mL	2.9743 mL	5.9487 mL
10 mM	0.2974 mL	1.4872 mL	2.9743 mL
50 mM	0.0595 mL	0.2974 mL	0.5949 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

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