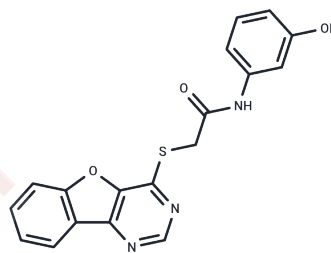


CAY10721

Chemical Properties

CAS No. : 848688-62-0
 Formula: C₁₈H₁₃N₃O₃S
 Molecular Weight: 351.38
 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	CAY10721 is an inhibitor of sirtuin 3 (SIRT3), a class III HDAC (39% SIRT3 inhibition at 200 μM). Upregulation of SIRT3 transcription is associated with oral squamous cell carcinoma (OSCC) and breast cancer with lymph node involvement, while SIRT3 down-regulation inhibits the growth of OSCC cells and sensitizes them to radiation and chemotherapy.
Targets(IC50)	Others,Sirtuin

Solubility Information

Solubility	DMSO: 30 mg/mL (85.38 mM),Sonication is recommended. DMF: 30 mg/mL (85.38 mM),Sonication is recommended. DMSO:PBS(pH 7.2) (1:4): 0.2 mg/mL (0.57 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	2.8459 mL	14.2296 mL	28.4592 mL
5 mM	0.5692 mL	2.8459 mL	5.6918 mL
10 mM	0.2846 mL	1.423 mL	2.8459 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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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