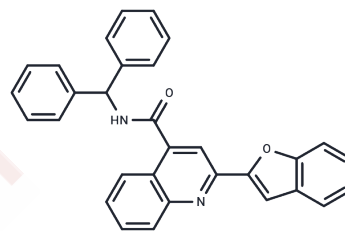


SIRT6 activator 12q

Chemical Properties

CAS No. :	2601734-99-8
Formula:	C ₃₁ H ₂₂ N ₂ O ₂
Molecular Weight:	454.52
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	SIRT6 activator 12q is a potent allosteric SIRT6 activator (EC ₅₀ = 5.3 μM). It enhances SIRT6-mediated histone deacetylation to regulate metabolism and longevity in aging and cancer research.
Targets(IC ₅₀)	Sirtuin
In vitro	SIRT6 activator 12q inhibits pancreatic cancer cell proliferation and reduces histone acetylation expression [1].
In vivo	Oral SIRT6 activator 12q (100-150 mg/kg) shows significant antitumor efficacy in PANC-1 xenografts [1].

Solubility Information

Solubility	DMSO: 20 mg/mL (44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2001 mL	11.0006 mL	22.0012 mL
5 mM	0.440 mL	2.2001 mL	4.4002 mL
10 mM	0.220 mL	1.1001 mL	2.2001 mL
50 mM	0.044 mL	0.220 mL	0.440 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.

Reference

Mok E, et al. Effect of quipazine, a selective 5-HT₃ agonist, on dietary self-selection of different macronutrient diets in male and female rats. *Appetite*. 2000 Jun;34(3):313-25.

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