

4-PQBH

Chemical Properties

CAS No. : 2243355-51-1

Formula: C22H17N5O

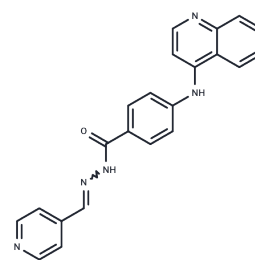
Molecular Weight: 367.4

Keep away from direct sunlight,Keep away from moisture

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	4-PQBH is a potent Nur77-binding agent with antitumour activity.4-PQBH inhibits xenograft tumours through Nur77-mediated endoplasmic stress and autophagy by broadly inducing cysteoaspartase-independent cytoplasmic vacuolisation and parapetaloid ptosis.4-PQBH is used in the study of hepatocellular carcinoma.4-PQBH is a potent Nur77-binding agent with antitumour activity.
Targets(IC50)	Apoptosis,Others,NR4A

Solubility Information

Solubility	DMSO: 10 mg/mL (27.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7218 mL	13.6091 mL	27.2183 mL
5 mM	0.5444 mL	2.7218 mL	5.4437 mL
10 mM	0.2722 mL	1.3609 mL	2.7218 mL
50 mM	0.0544 mL	0.2722 mL	0.5444 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

Baicun Li, et al. Discovery of a Nur77-mediated cytoplasmic vacuolation and paraptosis inducer (4-PQBH) for the treatment of hepatocellular carcinoma. Bioorg Chem. 2022 Apr;121:105651.

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