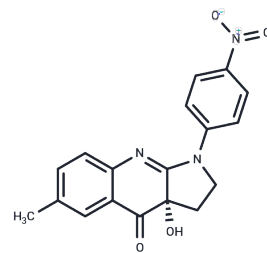


para-Nitroblebbistatin

Chemical Properties

CAS No. :	1621326-32-6
Formula:	C ₁₈ H ₁₅ N ₃ O ₄
Molecular Weight:	337.33
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	para-Nitroblebbistatin is a non-cytotoxic, non-fluorescent, photostable, and specific inhibitor of myosin II. para-Nitroblebbistatin can be used to study the specific roles of myosin II in physiology, development, and cell biology.
Targets(IC50)	Myosin
In vitro	METHODS: HeLa cells were treated with para-Nitroblebbistatin (p-Nitroblebbistatin) (20 μM, 3 days) and the changes in cell number and death rate were tracked. RESULTS para-Nitroblebbistatin effectively inhibited cytokinesis and had no effect on cell number and death rate. [1]

Solubility Information

Solubility	DMSO: 25 mg/mL (74.11 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	2.9645 mL	14.8223 mL	29.6446 mL
5 mM	0.5929 mL	2.9645 mL	5.9289 mL
10 mM	0.2964 mL	1.4822 mL	2.9645 mL
50 mM	0.0593 mL	0.2964 mL	0.5929 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

Képiró M, et al. para-Nitroblebbistatin, the non-cytotoxic and photostable myosinII inhibitor. Angew Chem Int Ed Engl. 2014 Jul 28;53(31):8211-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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