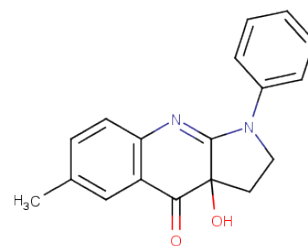


Blebbistatin

Chemical Properties

CAS No. :	674289-55-5
Formula:	C ₁₈ H ₁₆ N ₂ O ₂
Molecular Weight:	292.33
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Blebbistatin ((±)-Blebbistatin) is a selective non-muscle myosin II (NMII) inhibitor. It promotes directional migration of corneal endothelial cells (CECs) and accelerates wound healing. Furthermore it preserves cell junctional integrity and barrier function.
Targets(IC50)	ATPase, Myosin
In vitro	Blebbistatin is a cell-permeable non-muscle myosin II ATPases inhibitor with an IC ₅₀ range of 2 μM.

Solubility Information

Solubility	DMSO: 23 mg/mL (78.67 mM), sonification is recommended. $\leq 1\text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4208 mL	17.104 mL	34.2079 mL
5 mM	0.6842 mL	3.4208 mL	6.8416 mL
10 mM	0.3421 mL	1.7104 mL	3.4208 mL
50 mM	0.0684 mL	0.3421 mL	0.6842 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.

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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