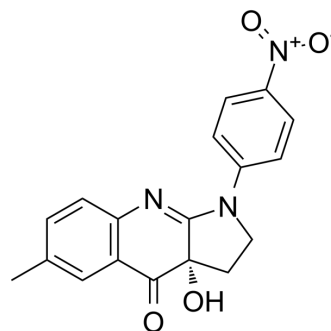


para-Nitroblebbistatin

Cat. No.:	HY-120870	
CAS No.:	1621326-32-6	
Molecular Formula:	C ₁₈ H ₁₅ N ₃ O ₄	
Molecular Weight:	337.33	
Target:	Myosin	
Pathway:	Cytoskeleton	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 22 mg/mL (65.22 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

para-Nitroblebbistatin is a non-cytotoxic, photostable, fluorescent and specific Myosin II inhibitor, used in the study of the specific role of myosin II in physiological, developmental, and cell biological studies^[1].

IC₅₀ & Target

Myosin II^[1]

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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