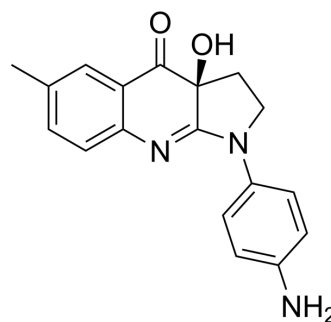


Para-aminoblebbistatin

Cat. No.:	HY-111474
CAS No.:	2097734-03-5
Molecular Formula:	C ₁₈ H ₁₇ N ₃ O ₂
Molecular Weight:	307.35
Target:	Myosin
Pathway:	Cytoskeleton
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMF : 20 mg/mL (65.07 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2536 mL	16.2681 mL	32.5362 mL
	5 mM	0.6507 mL	3.2536 mL	6.5072 mL
	10 mM	0.3254 mL	1.6268 mL	3.2536 mL

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

BIOLOGICAL ACTIVITY

Description

Para-aminoblebbistatin is a highly water soluble, non-fluorescent and photostable C15 amino-substituted derivative of blebbistatin; inhibits various (myosin II) isoforms both in vitro and in vivo.

IC₅₀ & Target

Myosin II^[1]

REFERENCES

- [1]. Várkuti BH, et al. A highly soluble, non-phototoxic, non-fluorescent blebbistatin derivative. *Sci Rep.* 2016 May 31;6:26141.
- [2]. 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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