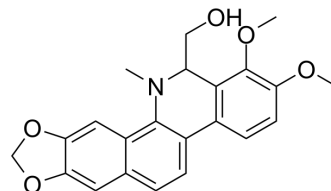


Bocconoline

Cat. No.:	HY-150058
CAS No.:	32906-88-0
Molecular Formula:	C ₂₂ H ₂₁ NO ₅
Molecular Weight:	379.41
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3 mg/mL (7.91 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6357 mL	13.1784 mL	26.3567 mL
	5 mM	0.5271 mL	2.6357 mL	5.2713 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Bocconoline is a potent early endosome antigen 1 (EEA1) inhibitor. Bocconoline can be isolated from *Macleaya cordata*. Bocconoline can be used for the research of Parkinson's disease (PD)^[1].

IC₅₀ & Target

EEA1^[1]

In Vitro

Bocconoline (compound 3) (30 μM; 24 h; hONS cells) affects primarily on EEA1 marker intensity in the cytoplasm, mitochondria marker intensity in inner region of the cytoplasm and microtubule-associated protein light chain 3B (LC3b) marker intensity in inner region of cytoplasm^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nguyen DT, et al. Chemical constituents from *Macleaya cordata* (Willd) R. Br. and their phenotypic functions against a Parkinson's disease patient-derived cell line. *Bioorg Med Chem*. 2020 Nov 1;28(21):115732.

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

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