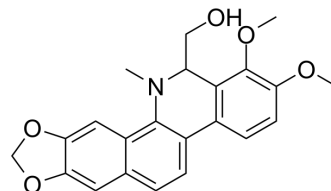


Bocconoline

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bocconoline is a potent early endosome antigen 1 (EEA1) inhibitor. Bocconoline can be isolated from <i>Macleaya cordata</i> . 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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