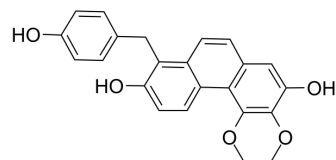


Bleformin A

Cat. No.:	HY-N10487
CAS No.:	1980064-35-4
Molecular Formula:	C ₂₃ H ₂₀ O ₅
Molecular Weight:	376.4
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bleformin A is a potent BChE inhibitor with an IC ₅₀ value of 5.2 μM. Bleformin A is a nature product that could be isolated from <i>Bletilla striata</i> . Bleformin A can be used for research of Alzheimer's disease (AD) ^[1] .
In Vitro	Bleformin A (compound 8; 0-8.302 μM) inhibits BChE with a K _i value of 4.7 μM. Bleformin A decreases V _{max} and increases K _m in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu Y, et, al. Biological evaluation, molecular modeling and dynamics simulation of phenanthrenes isolated from *Bletilla striata* as butyrylcholinesterase inhibitors. *Sci Rep.* 2022 Aug 11;12(1):13649.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA