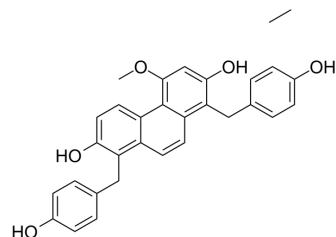


BChE-IN-12

Cat. No.:	HY-N10489
CAS No.:	136966-86-4
Molecular Formula:	C ₃₁ H ₃₀ O ₅
Molecular Weight:	482.57
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BChE-IN-12 (compound 12) is a potent butyrylcholinesterase (BChE) non-competitive inhibitor with an IC ₅₀ value of 2.3 μM. BChE-IN-12 can be isolated from <i>Bletilla striata</i> . BChE-IN-12 can be used for the research of Alzheimer's disease (AD) ^[1] .
IC ₅₀ & Target	BChE 2.3 μM (IC ₅₀)

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.

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