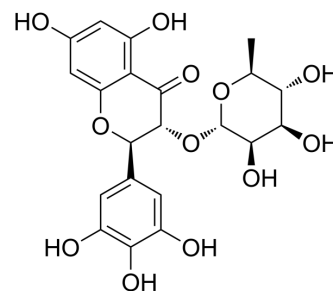


AChE/BChE-IN-11

Cat. No.:	HY-N10701
CAS No.:	80443-12-5
Molecular Formula:	C ₂₁ H ₂₂ O ₁₂
Molecular Weight:	466.39
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AChE/BChE-IN-11 (compound 1) is a potent dual AChE and BChE inhibitor with IC ₅₀ values of 70 and 71 μM for AChE and BChE, respectively. AChE/BChE-IN-11 is a natural product that could be isolated from the leaf of artichoke. AChE/BChE-IN-11 can be used in research of Alzheimer's disease (AD) research ^[1] .	
IC₅₀ & Target	AChE 70 μM (IC ₅₀)	BChE 71 μM (IC ₅₀)

REFERENCES

[1]. Elsebai MF, et, al. X-ray crystallographic data, absolute configuration, and anticholinesterase effect of dihydromyricitrin 3-O-rhamnoside. Sci Rep. 2022 Nov 1;12(1):18351.

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