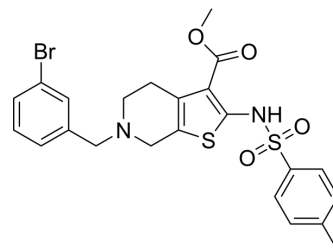


BChE-IN-17

Cat. No.:	HY-155140
CAS No.:	2425632-57-9
Molecular Formula:	C ₂₃ H ₂₃ BrN ₂ O ₄ S ₂
Molecular Weight:	535.47
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-17 (compound 6n) is a potent and selective BChE inhibitor with IC ₅₀ s of 10.5 nM and 32.5 nM for eqBChE and hBChE, respectively. BChE-IN-17 shows over 1000-fold selectivity to BChE against AChE. BChE-IN-17 shows low neurotoxicity and moderate neuroprotective effects ^[1] .		
IC₅₀ & Target	eqBChE 10.5 nM (IC ₅₀)	hBChE 32.5 nM (IC ₅₀)	eel AChE 686.4 μM (IC ₅₀)

REFERENCES

[1]. Tingkai Chen, et al. The structural modification and biological evaluation of tetrahydrothienopyridine derivatives as selective BChE inhibitors. Bioorg Med Chem Lett. 2023 Sep 1;93:129436.

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