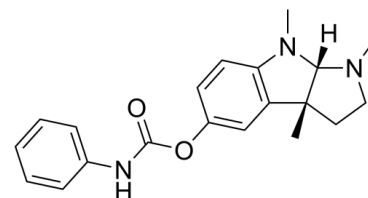


Data Sheet

Product Name:	Buntanetap
Cat. No.:	CS-0006062
CAS No.:	116839-68-0
Molecular Formula:	C ₂₀ H ₂₃ N ₃ O ₂
Molecular Weight:	337.42
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Solubility:	DMSO : 230 mg/mL (681.64 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Buntanetap ((+)-Phenserine) is a novel selective **cholinesterase** noncompetitive inhibitor with an **IC₅₀** of 45.3 μM. IC₅₀ & Target: IC₅₀: 45.3 μM (AChE), Ki: 48 μM (AChE).

References:

[1]. al-Jafari AA, et al. Kinetics of human erythrocyte acetylcholinesterase inhibition by a novel derivative of physostigmine: phenserine. Biochem Biophys Res Commun. 1998 Jul 9; 248(1):180-5.

CAIndexNames:

Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, 5-(N-phenylcarbamate), (3aR,8aS)-

SMILES:

CN1[C@@](N(C)CC2)([H])[C@@]2(C)C3=C1C=CC(OC(NC4=CC=CC=C4)=O)=C3

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

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