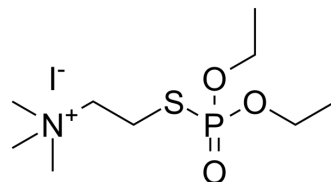


## Echothiopate iodide

Cat. No.:	HY-16183
CAS No.:	513-10-0
Molecular Formula:	C <sub>9</sub> H <sub>23</sub> INO <sub>3</sub> PS
Molecular Weight:	383.23
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Echothiopate iodide is a potent hBChE (human butyrylcholinesterase) inhibitor. Echothiopate iodide is a long-acting anticholinesterase agent. Echothiopate iodide can be used for glaucoma research <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Butyrylcholinesterase

### REFERENCES

[1]. Nachon F, et al. Role of water in aging of human butyrylcholinesterase inhibited by echothiophate: the crystal structure suggests two alternative mechanisms of aging. *Biochemistry*. 2005 Feb 1;44(4):1154-62.

[2]. HUMPHREYS JA, et al. Systemic effects produced by echothiophate iodide in treatment of glaucoma. *Arch Ophthalmol*. 1963 Jun;69:737-43.

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

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