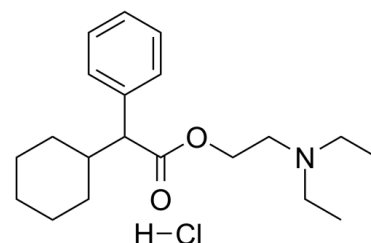


Data Sheet

Product Name:	Drofenine (hydrochloride)
Cat. No.:	CS-4885
CAS No.:	548-66-3
Molecular Formula:	C ₂₀ H ₃₂ ClNO ₂
Molecular Weight:	353.93
Target:	AChE
Pathway:	Neuronal Signaling
Solubility:	H ₂ O : ≥ 33.3 mg/mL (94.09 mM); DMSO : ≥ 75 mg/mL (211.91 mM)



BIOLOGICAL ACTIVITY:

Drofenine hydrochloride is a potent competitive inhibitor of BChE, and the k_i values of Drofenine is calculated to be 3 μ M. IC₅₀ value: 3 μ M (k_i) Target: BChE Benactyzine is widely used anticholinergic drugs, acts on smooth muscle to stop muscle spasms.

References:

[1]. Bodur E, et al. Inhibition effects of benactyzine and drofenine on human serum butyrylcholinesterase. Arch Biochem Biophys. 2001 Feb 1;386(1):25-29.

CAIndexNames:

Benzeneacetic acid, α -cyclohexyl-, 2-(diethylamino)ethyl ester, hydrochloride (1:1)

SMILES:

O=C(OCCN(CC)CC)C(C1CCCCC1)C2=CC=CC=C2.[H]Cl

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

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