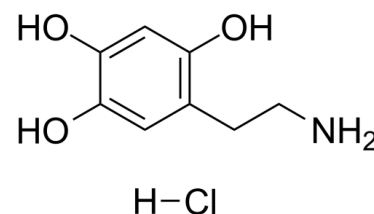


Data Sheet

Product Name:	Oxidopamine (hydrochloride)
Cat. No.:	CS-4648
CAS No.:	28094-15-7
Molecular Formula:	C ₈ H ₁₂ ClNO ₃
Molecular Weight:	205.64
Target:	Autophagy; Dopamine Receptor; Mitophagy
Pathway:	Autophagy; GPCR/G Protein; Neuronal Signaling
Solubility:	DMSO : ≥ 32 mg/mL (155.61 mM)



BIOLOGICAL ACTIVITY:

Oxidopamine hydrochloride (6-OHDA hydrochloride), an antagonist of the **neurotransmitter dopamine**, is a widely used neurotoxin that selectively destroys dopaminergic neurons.

References:

- [1]. Fujita H et al. Cell-permeable cAMP analog suppresses 6-hydroxydopamine-induced apoptosis in PC12 cells through the activation of the Akt pathway. Brain Res. 2006 Oct 3;1113(1):10-23.
- [2]. Soto-Otero R et al. Autoxidation and neurotoxicity of 6-hydroxydopamine in the presence of some antioxidants: potential implication in relation to the pathogenesis of Parkinson's disease. J Neurochem. 2000 Apr;74(4):1605-12.

CAIndexNames:

1,2,4-Benzenetriol, 5-(2-aminoethyl)-, hydrochloride (1:1)

SMILES:

OC1=CC(CCN)=C(O)C=C1O.[H]Cl

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

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