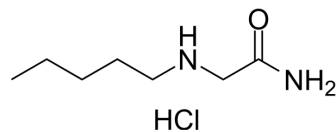


Milacemide hydrochloride

Cat. No.:	HY-130205
CAS No.:	76990-85-7
Molecular Formula:	C ₇ H ₁₇ ClN ₂ O
Molecular Weight:	180.68
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Milacemide hydrochloride (CP 1552 S), a glycinamide derivative, is an orally active MAO-B inhibitor with anticonvulsant activity. Milacemide hydrochloride reduces the levels of dihydroxyphenylacetic acid and homovanilic acid, but increases the levels of dopamine and serotonin in the caudate nucleus. Milacemide hydrochloride is promising for research of Alzheimer's disease^{[1][2]}.

REFERENCES

[1]. Janssens de Varebeke P, et al. Milacemide, the selective substrate and enzyme-activated specific inhibitor of monoamine oxidase B, increases dopamine but not serotonin in caudate nucleus of rhesus monkey. *Neurochem Int.* 1990;17(2):325-9.

[2]. Colombo M, et al. MAO activity, metabolism and anticonvulsant activity of milacemide in rats and mice. *J Neural Transm Suppl.* 1990;32:123-9.

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