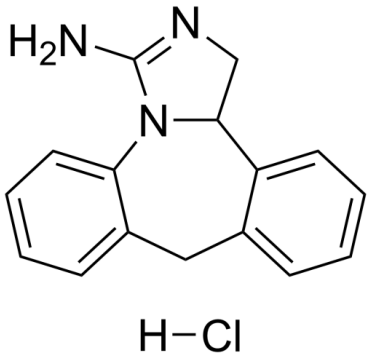
Data Sheet

Product Name:	Epinastine (hydrochloride)
Cat. No.:	CS-0013220
CAS No.:	108929-04-0
Molecular Formula:	$C_{16}H_{16}ClN_3$
Molecular Weight:	285.77
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Solubility:	DMSO : 50 mg/mL (174.97 mM; Need ultrasonic); H2O : 100 mg/mL (349.93 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Epinastine hydrochloride (WAL801 hydrochloride) is an antihistamine and mast cell stabilizer. Epinastine hydrochloride is a potent, selective and orally-active **histamine H1 receptor** antagonist. Epinastine hydrochloride also inhibits IL-8 release and has an antiallergic action[1][2][3].

References:

[1]. C Kamei, et al. Antiallergic effect of epinastine (WAL 801 CL) on immediate hypersensitivity reactions: (I). Elucidation of the mechanism for histamine release inhibition. Immunopharmacol Immunotoxicol. 1992;14(1-2):191-205.

[2]. T Roeder, et al. Epinastine, a highly specific antagonist of insect neuronal octopamine receptors. ur J Pharmacol. 1998 May 22;349(2-3):171-7.

[3]. T Kohyama, et al. A novel antiallergic drug epinastine inhibits IL-8 release from human eosinophils. Biochem Biophys Res Commun. 1997 Jan 3;230(1):125-8.

CAIndexNames:

1H-Dibenz[c,f]imidazo[1,5-a]azepin-3-amine, 9,13b-dihydro-, hydrochloride (1:1)

SMILES:

NC1=NCC2N1C3=CC=CC=C3CC4=CC=CC=C24.[H]Cl

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

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