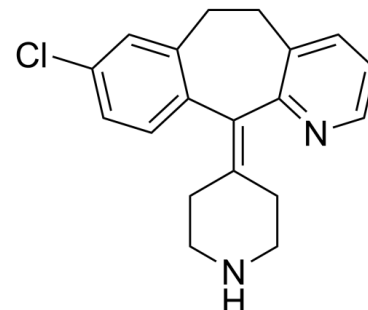


Data Sheet

Product Name:	Desloratadine
Cat. No.:	CS-2639
CAS No.:	100643-71-8
Molecular Formula:	C ₁₉ H ₁₉ ClN ₂
Molecular Weight:	310.82
Target:	Drug Metabolite; Endogenous Metabolite; Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Metabolic Enzyme/Protease; Neuronal Signaling
Solubility:	DMSO : 25 mg/mL (80.43 mM; Need ultrasonic); H ₂ O : 0.67 mg/mL (2.16 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Desloratadine (Sch34117) is the orally active major metabolite of the nonsedating **H1-antihistamine** Loratadine. Desloratadine is a selective **H1-receptor** antagonist that has anti-allergic and anti-inflammatory activities^{[1][2]}.

References:

- [1]. Geha, R.S. and E.O. Meltzer, Desloratadine: A new, nonsedating, oral antihistamine. *J Allergy Clin Immunol*, 2001. 107(4): p. 751-62.
- [2]. Schroeder, J.T., et al., Inhibition of cytokine generation and mediator release by human basophils treated with desloratadine. *Clin Exp Allergy*, 2001. 31(9): p. 1369-77.
- [3]. Anthes, J.C., et al., Biochemical characterization of desloratadine, a potent antagonist of the human histamine H(1) receptor. *Eur J Pharmacol*, 2002. 449(3): p. 229-37.
- [4]. McClellan K, et al. Desloratadine. *Drugs*. 2001;61(6):789-797.

CAIndexNames:

5H-Benzo[5,6]cyclohepta[1,2-b]pyridine, 8-chloro-6,11-dihydro-11-(4-piperidinylidene)-

SMILES:

C1C=CC=C2C(CCC3=CC=CN=C3/C2=C4CCNCC/4)=C1

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

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