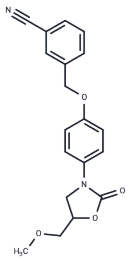
Data Sheet (Cat.No.T25252)

TargetMol

Cimoxatone

Chemical Properties



CAS No. : 73815-11-9

Formula: C19H18N2O4

Molecular Weight: 338.36

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Cimoxatone (MD 780515) is a reversible, orally active inhibitor of type A monoamine oxidase (MAO-A) that can enhance the anorexic effect of MAO-A.
Targets(IC50)	Monoamine Oxidase
In vivo	In rats, Cimoxatone (20 mg/kg, oral) enhances the anorectic effect of 5-HT (1 mg/kg, subcutaneous) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9554 mL	14.7772 mL	29.5543 mL
5 mM	0.5911 mL	2.9554 mL	5.9109 mL
10 mM	0.2955 mL	1.4777 mL	2.9554 mL
50 mM	0.0591 mL	0.2955 mL	0.5911 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Fletcher PJ, et al. Enhancement of 5-HT-induced anorexia: a test of the reversibility of monoamine oxidase inhibitors. Psychopharmacology. 1989;98(2):265-268.
Rovei V, Mitchard M, Strolin Benedetti M, Kendall MJ. Pharmacokinetic and relative bioavailability studies of cimoxatone in humans. Int J Clin Pharmacol Ther Toxicol. 1984 Jan;22(1):56-62. PubMed PMID: 6698662.
Rovei V, Chanoine F, Strolin Benedetti M, Zini R, Tillement JP. Plasma protein binding of the reversible type A MAO inhibitor cimoxatone (MD 780515). Biochem Pharmacol. 1983 Aug 1;32(15):2303-8. PubMed PMID: 6192825.
Fowler CJ, Strolin Benedetti M, Rovei V. Estimation of the elimination half-life of the monoamine oxidase inhibitor cimoxatone in rat brain on the basis of ex vivo inhibition data. Eur J Drug Metab Pharmacokinet. 1983 Oct-Dec;8(4):389-93. PubMed PMID: 6673976.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481