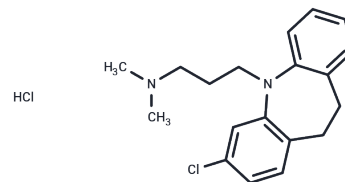


Clomipramine hydrochloride

Chemical Properties

CAS No. :	17321-77-6
Formula:	C ₁₉ H ₂₃ ClN ₂ ·HCl
Molecular Weight:	351.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Clomipramine hydrochloride (Anafranil) is a tricyclic antidepressant similar to IMIPRAMINE that selectively inhibits the uptake of serotonin in the brain. It is readily absorbed from the gastrointestinal tract and demethylated in the liver to form its primary active metabolite, desmethylclomipramine.
Targets(IC50)	Dopamine Receptor, 5-HT Receptor, Serotonin Transporter, Norepinephrine, GST

Solubility Information

Solubility	H ₂ O: 142.32mM, DMSO: 7.5 mg/mL (21.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8465 mL	14.2324 mL	28.4649 mL
5 mM	0.5693 mL	2.8465 mL	5.693 mL
10 mM	0.2846 mL	1.4232 mL	2.8465 mL
50 mM	0.0569 mL	0.2846 mL	0.5693 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.

Reference

McTavish, D. and P. Benfield, Clomipramine. An overview of its pharmacological properties and a review of its therapeutic use in obsessive compulsive disorder and panic disorder. *Drugs*, 1990. 39(1): p. 136-53.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481