

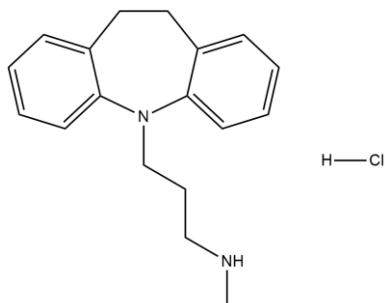
Desipramine hydrochloride

02/20

ALTERNATE NAMES: 10,11-Dihydro-N-methyl-5H-dibenz[b,f]azepine-5-propanamine hydrochloride; G-35020; JB-8181; Norpramin; Pertofran; 10,11-Dihydro-5-(3-(methylamino)propyl)-5H-dibenz(b,f)azepine monohydrochloride; 3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N-methylpropan-1-amine hydrochloride

CATALOG #: B2987-10 10 mg
B2987-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₃ClN₂

MOLECULAR WEIGHT: 302.84

CAS NUMBER: 58-28-6

APPEARANCE: White to off-white powder

PURITY: 98%

SOLUBILITY: 50 mg/ml in Water

DESCRIPTION: Desipramine HCl is a tricyclic antidepressant that is a selective inhibitor of norepinephrine transporter with K_i values of 4 nM, 61 nM and 78.72 μM for Norepinephrine Transporter (NET), Serotonin Transporter (SERT) and Dopamine Transporter (DAT) respectively. Rats treated with desipramine (15 mg/kg/day for 14 days) show reduced NET expression. In these rats, the antidepressant-like effect was evident 2 days after discontinuation of desipramine.

STORAGE TEMPERATURE: -20°C. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Zhao, Z., Baros, A.M., Zhang, H.T. et al. Norepinephrine transporter regulation mediates the long-term behavioral effects of the antidepressant desipramine. *Neuropsychopharmacology*. 33(13):3190-200 (2008).
2. Torres, G.E., Gainetdinov, R.R., Caron, M.G. Plasma membrane monoamine transporters: structure, regulation and function. *Nat Rev Neurosci*. 4(1):13-25 (2003).

RELATED PRODUCTS:

LY-310762 hydrochloride (Cat. No. B2190)
 Bifeprunox (Cat. No. B2921)
 Pimavanserin Tartrate (Cat. No. B1915)
 Eltoprazine hydrochloride (Cat. No. B2301)
 Sertraline (hydrochloride) (Cat. No. B2393)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***