



LKT Laboratories, Inc.

Chlorpromazine Hydrochloride

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Product Information

Product ID C2947
CAS No. 69-09-0
Chemical Name 2-Chloro-N,N-dimethyl-10H-phenothiazine-10- propanamine hydrochloride

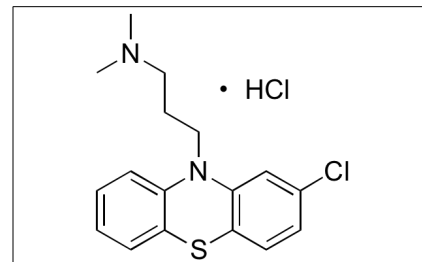
Synonym Hebanil, Klorpromex, Largactil, Megaphen, Promacid, Chloractil, Sonazine, Marazine, Tarocetyl, Torazina

Formula $C_{17}H_{19}ClN_2S \cdot HCl$
Formula Wt. 355.33
Melting Point 179-180°C(dec.)
Purity ≥98%
Solubility Soluble in methanol, ethanol (660 mg/mL), chloroform or water (1 g/mL). Insoluble in ether, or benzene.

Store Temp Ambient

Ship Temp Ambient

Description Chlorpromazine is a phenothiazine that exhibits antipsychotic, antidepressant, anxiolytic, neuroprotective, and anticancer chemotherapeutic activities. Chlorpromazine inhibits D1/2/3/4 receptors, 5-HT1/2 receptors, α1/2-adrenergic receptors, and M1/2 muscarinic acetylcholine receptors (mAChRs). Chlorpromazine stabilizes misfolding motifs of prions, preventing oligomerization. Additionally, this compound acts as a functional inhibitor of acid sphingomyelinase (FIASMA). In vivo, chlorpromazine induces autophagy and apoptosis, inhibiting growth of glioma tumors. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C2947	10 g	\$57.10
C2947	25 g	\$79.60
C2947	100 g	\$238.60

References Baral PK, Swayampakula M, Rout MK, et al. Structural basis of prion inhibition by phenothiazine compounds. *Structure*. 2014 Feb 4;22(2):291-303. PMID: 24373770.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.