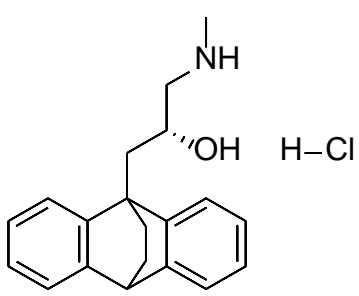


Product data sheet



MedKoo Cat#: 525440 Name: Levoprotiline hydrochloride CAS: 76496-69-0 Chemical Formula: C ₂₀ H ₂₄ ClNO Molecular Weight: 329.868	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Levoprotiline hydrochloride is a new antidepressant.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.03 mL	15.16 mL	30.32 mL
5 mM	0.61 mL	3.03 mL	6.06 mL
10 mM	0.30 mL	1.52 mL	3.03 mL
50 mM	0.06 mL	0.30 mL	0.61 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

1. Noguchi S, Inukai T. Repeated treatment with levoprotiline, a novel antidepressant, up-regulates histamine H1 receptors and phosphoinositide hydrolysis response in vivo. *Jpn J Pharmacol.* 1992 May;59(1):31-5. doi: 10.1254/jjp.59.31. PMID: 1324374.

7. Bioactivity

Biological target:

Levoprotiline hydrochloride is a new antidepressant.

In vitro activity

TBD

In vivo activity

The effects of repeated administration of levoprotiline, a novel type of tetracyclic antidepressant on histamine H1, muscarinic acetylcholine and alpha 1-adrenergic receptors and the response of phosphoinositide hydrolysis (PI) stimulated by histamine in the cortex of the rat brain were investigated. This demonstrates that the repeated treatment with levoprotiline has prominent action on the regulation of histamine H1 receptors and PI response coupling to histamine H1 receptors in vivo.

Product data sheet



Reference: Jpn J Pharmacol. 1992 May;59(1):31-5. <https://pubmed.ncbi.nlm.nih.gov/1324374/>

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.