

Product data sheet



MedKoo Cat#: 525438 Name: Levonantradol hydrochloride CAS: 70222-86-5 Chemical Formula: C ₂₇ H ₃₆ ClNO ₄ Exact Mass: 473.2333 Molecular Weight: 474.038	
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:

Levonantradol hydrochloride is a new antiemetic compound.

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	2.11 mL	10.55 mL	21.10 mL
5 mM	0.42 mL	2.11 mL	4.22 mL
10 mM	0.21 mL	1.06 mL	2.11 mL
50 mM	0.04 mL	0.21 mL	0.42 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. Meschler JP, Howlett AC, Madras BK. Cannabinoid receptor agonist and antagonist effects on motor function in normal and 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP)-treated non-human primates. *Psychopharmacology (Berl)*. 2001 Jun;156(1):79-85. doi: 10.1007/s002130100728. PMID: 11465637.

2. Soderstrom K, Leid M, Moore FL, Murray TF. Behavioral, pharmacological, and molecular characterization of an amphibian cannabinoid receptor. *J Neurochem*. 2000 Jul;75(1):413-23. doi: 10.1046/j.1471-4159.2000.0750413.x. PMID: 10854287.

7. Bioactivity

Biological target:

Levonantradol hydrochloride is a new antiemetic compound.

In vitro activity

TBD

In vivo activity

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The cannabinoid agonist levonantradol dose-dependently decreased general and locomotor activity and increased bradykinesia in cynomolgus monkeys (*Macaca fascicularis*).

Reference: Psychopharmacology (Berl). 2001 Jun;156(1):79-85. <https://pubmed.ncbi.nlm.nih.gov/11465637/>

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.