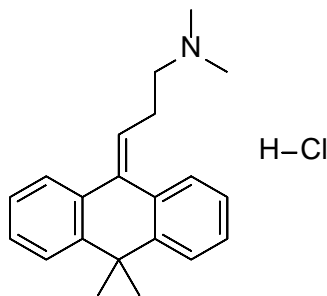


# Product data sheet



MedKoo Cat#: 540284 Name: Melitracen HCl CAS: 10563-70-9 Chemical Formula: C <sub>21</sub> H <sub>26</sub> ClN Exact Mass: 327.1754 Molecular Weight: 327.896	
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:

Melitracen HCl is a potential dopamine D1/2 receptor antagonist used to treat depression. It is often co-administered with flupenthixol as a treatment for trigeminal neuralgia. It does not effect cardiovascular function.

## 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
DMSO	82.5	251.60
Ethanol	65.0	198.23
Water	82.5	251.60

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.05 mL	15.25 mL	30.50 mL
5 mM	0.61 mL	3.05 mL	6.10 mL
10 mM	0.31 mL	1.52 mL	3.05 mL
50 mM	0.06 mL	0.31 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

TBD

## 7. Bioactivity

Biological target:

Melitracen hydrochloride can inhibit the uptake of Norepinephrine and 5-HT (serotonin) through the presynaptic membrane inducing the increase of monoamine transmitters in synaptic space.

In vitro activity

TBD

In vivo activity

TBD

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*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.*