

## Product Datasheet

### Melitracen hydrochloride (orb1302999)

<b>Catalog Number</b>	orb1302999
<b>Category</b>	Small Molecules
<b>Description</b>	Melitracen hydrochloride, also known as Thymeol hydrochloride, is a tricyclic antidepressant with research utility as a potential dopamine D1/D2 receptor antagonist. It is employed in neuroscience and pharmacology studies, including in vitro receptor binding assays and in vivo models for investigating depressive disorders.
<b>Target</b>	5-HT Receptor,Dopamine Receptor
<b>Purity</b>	99.82% (May vary between batches)
<b>MW</b>	327.90
<b>Target Areas</b>	5-HT Receptor Dopamine Receptor
<b>Solubility (25°C)</b>	DMSO:50 mg/mL (152.49 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.1 mM);H2O:198.2 mM
<b>CAS Number</b>	10563-70-9
<b>Formula</b>	C <sub>21</sub> H <sub>26</sub> ClN
<b>SMILES</b>	Cl.CN(C)CC\C=C1\c2ccccc2C(C)(C)c2ccccc12
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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