

## Product Datasheet

### Amorolfine hydrochloride (orb1310856)

<b>Catalog Number</b>	orb1310856
<b>Category</b>	Small Molecules
<b>Description</b>	Amorolfine HCl is a morpholine antifungal agent that inhibits ergosterol synthesis by targeting $\Delta 14$ reductase and $\Delta 8 \rightarrow \Delta 7$ isomerase, leading to fungal membrane disruption. It is widely used in research for studying antifungal mechanisms and has demonstrated efficacy in both in vitro assays and in vivo models of dermatophyte and yeast infections.
<b>Target</b>	Antifungal, Antibiotic
<b>Purity</b>	99.05% (May vary between batches)
<b>MW</b>	353.97
<b>Target Areas</b>	Antifungal Antibiotic
<b>Solubility (25°C)</b>	H2O:9 mg/mL (25.43 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:1 mg/mL (2.83 mM);Ethanol:66 mg/mL (186.46 mM);DMSO:16.67 mg/mL (47.09 mM)
<b>CAS Number</b>	78613-38-4
<b>Formula</b>	C <sub>21</sub> H <sub>36</sub> ClNO
<b>SMILES</b>	Cl.CCC(C)(C)c1ccc(CC(C)CN2C[C@H](C)O[C@H](C)C2)cc1
<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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