

## Product Datasheet

### Tolazoline hydrochloride (orb1307773)

<b>Catalog Number</b>	orb1307773
<b>Category</b>	Small Molecules
<b>Description</b>	Tolazoline hydrochloride is a non-selective, competitive $\alpha$ -adrenergic receptor antagonist. It has been used therapeutically for persistent pulmonary hypertension in newborns and serves as a research tool for studying vascular tone and adrenergic signaling in both in vitro and in vivo models.
<b>Target</b>	Adrenergic Receptor
<b>Purity</b>	>99.99% (May vary between batches)
<b>MW</b>	196.68
<b>Target Areas</b>	Adrenergic Receptor
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (10.17 mM);H <sub>2</sub> O:36 mg/mL (183.04 mM);DMSO:55 mg/mL (279.64 mM);Ethanol:37 mg/mL (188.12 mM)
<b>CAS Number</b>	59-97-2
<b>Formula</b>	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub>
<b>SMILES</b>	Cl.C(C1=NCCN1)c1ccccc1
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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