

## Product Datasheet

### Pyridoxine hydrochloride (orb1310114)

<b>Catalog Number</b>	orb1310114
<b>Category</b>	Small Molecules
<b>Description</b>	Pyridoxine hydrochloride is the 4-methanol form of Vitamin B6, a precursor to the essential coenzyme pyridoxal phosphate. This cofactor is critical for research involving amino acid metabolism, neurotransmitter synthesis (e.g., serotonin, norepinephrine), and heme biosynthesis in both in vitro and in vivo studies.
<b>Target</b>	Endogenous Metabolite,Nrf2
<b>Purity</b>	>99.99% (May vary between batches)
<b>MW</b>	205.64
<b>Target Areas</b>	Endogenous Metabolite Nrf2
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (9.73 mM);Ethanol: 1 mg/mL (insoluble or slightly soluble);DMSO:50 mg/mL (243.14 mM);H2O:38 mg/mL (184.79 mM)
<b>CAS Number</b>	58-56-0
<b>Formula</b>	$C_8H_{11}NO_3 \cdot HCl$
<b>SMILES</b>	<chem>Cl.CC1=NC=C(CO)C(CO)=C1O</chem>
<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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