

## 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>	Nrf2, Endogenous Metabolite
<b>Purity</b>	99.48% (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.Oc1c(=nc(=c1CO)CO)C</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558