

Product data sheet



MedKoo Cat#: 584123 Name: Oxprenolol hydrochloride CAS: 6452-73-9 Chemical Formula: C ₁₅ H ₂₄ ClNO ₃ Molecular Weight: 301.811		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Oxprenolol hydrochloride is a non-selective beta-adrenergic blocking agent that also possesses intrinsic sympathomimetic activity (ISA) and membrane stabilizing effects. Oxprenolol hydrochloride undergoes first pass metabolism with only 30% of an oral dose reaching the systemic circulation. The drug is approximately 80% protein bound and is eliminated primarily by glucuronidation in the liver. Less than 4% of oxprenolol hydrochloride is excreted unchanged in the urine. Oxprenolol hydrochloride may reduce the heart rate and prolong the effective and functional atrioventricular nodal refractory period. It appears to be comparable to other beta blockers in the treatment of hypertension and angina pectoris with no additional adverse reactions.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	33.0	109.34
DMSO	137.5	455.58
Ethanol	33.0	109.34
PBS (pH 7.2)	10.0	33.13
Water	100.0	331.33

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.31 mL	16.57 mL	33.13 mL
5 mM	0.66 mL	3.31 mL	6.63 mL
10 mM	0.33 mL	1.66 mL	3.31 mL
50 mM	0.07 mL	0.33 mL	0.66 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Oxprenolol hydrochloride (Ba 39089) is an orally bioavailable β -adrenergic receptor (β -AR) antagonist with a K_i of 7.10 nM.

In vitro activity

Product data sheet



TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.