# Data Sheet (Cat.No.T10001)



## (E)-Alprenoxime

Chemical Propert	ties	
CAS No. :	125720-84-5	CH3
Formula:	C15H22N2O2	OH HN CH <sub>3</sub>
Molecular Weight:	262.35	Ĺ
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	CH <sub>2</sub>
Appearance:	no data available	

### **Biological Description**

Description	(E)-Alprenoxime is the isomer of the Alprenoxime which is a site-activated ocular $\beta$ -blocker.
Targets(IC50)	Others
In vivo @	Interspecies scaling considerations predict that the doses selected of Alprenoxime (1 and 5 mg/kg) are pharmacologically comparable or greater than doses used in rodent studies (2 and 6 mg/kg). More importantly, the prolonged ocular antihypertensive effects that are shown with 1% ophthalmic solutions indicate that the i.v. dose tested in the present study is likely to be more than two orders of magnitude greater than probable therapeutic doses.

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8117 mL	19.0585 mL	38.117 mL
5 mM	0.7623 mL	3.8117 mL	7.6234 mL
10 mM	0.3812 mL	1.9059 mL	3.8117 mL
50 mM	0.0762 mL	0.3812 mL	0.7623 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Polgar P, et al. Minimal cardiac electrophysiological activity of alprenoxime, a site-activated ocular beta-blocker, in dogs. Life Sci. 1995;56(14):1207-13.

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