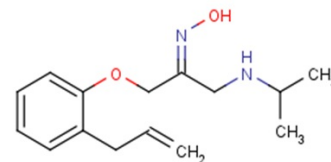


(E)-Alprenoxime

Chemical Properties

CAS No.:	125720-84-5
Formula:	C ₁₅ H ₂₂ N ₂ O ₂
Molecular Weight:	262.35
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(E)-Alprenoxime is the isomer of the Alprenoxime which is a site-activated ocular β -blocker.
Targets(IC ₅₀)	Others: None
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.812 mL	19.059 mL	38.117 mL
5 mM	0.762 mL	3.812 mL	7.623 mL
10 mM	0.381 mL	1.906 mL	3.812 mL
50 mM	0.076 mL	0.381 mL	0.762 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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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