

alpha-Conhydrine

Chemical Properties

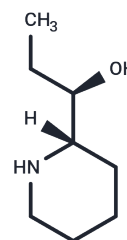
CAS No. : 495-20-5

Formula: C₈H₁₇NO

Molecular Weight: 143.23

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	alpha-Conhydrine is a biochemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9818 mL	34.9089 mL	69.8178 mL
5 mM	1.3964 mL	6.9818 mL	13.9636 mL
10 mM	0.6982 mL	3.4909 mL	6.9818 mL
50 mM	0.1396 mL	0.6982 mL	1.3964 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Jamieson AG, Sutherland A. Ether-directed, stereoselective aza-Claisen rearrangements: synthesis of the piperidine alkaloid, alpha-conhydrine. *Org Lett.* 2007 Apr 12;9(8):1609-11. Epub 2007 Mar 20. PubMed PMID: 17371038.
- Voituriez A, Ferreira F, Chemla F. Short and efficient asymmetric synthesis of (-)-alpha-conhydrine. *J Org Chem.* 2007 Jul 6;72(14):5358-61. Epub 2007 Jun 8. PubMed PMID: 17555362.
- Guerreiro P, Ratovelomanana-Vidal V, Genet JP. Asymmetric synthesis of hydroxylated pyrrolizidine, indolizidine, and (+)-alpha-conhydrine via ruthenium-catalyzed hydrogenation. *Chirality.* 2000 Jun;12(5-6):408-10. PubMed PMID: 10824162.
- Deshmukh SC, Roy A, Talukdar P. Diastereoselective construction of syn- α -oxyamines via three-component α -oxyaldehyde-dibenzylamine-alkyne coupling reaction: application in the synthesis of (+)- β -conhydrine and its analogues. *Org Biomol Chem.* 2012 Oct 7;10(37):7536-44. doi: 10.1039/c2ob26007g. Epub 2012 Aug 13. PubMed PMID: 22890876.

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