

Aceclidine

Chemical Properties

CAS No.:	827-61-2
Formula:	C ₉ H ₁₅ NO ₂
Molecular Weight:	169.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Aceclidine is an agent that is used for treating glaucoma by reducing intraocular pressure.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.909 mL	29.547 mL	59.095 mL
5 mM	1.182 mL	5.909 mL	11.819 mL
10 mM	0.591 mL	2.955 mL	5.909 mL
50 mM	0.118 mL	0.591 mL	1.182 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. Ehlert FJ, Griffin MT, Glidden PF. The interaction of the enantiomers of aceclidine with subtypes of the muscarinic receptor. J Pharmacol Exp Ther. 1996 Dec;279(3):1335-44. PubMed PMID: 8968358.
2. Zhu L, Cui YY, Feng JM, Wu XJ, Chen HZ. Aceclidine and pilocarpine interact differently with muscarinic receptor in isolated rabbit iris muscle. Life Sci. 2006 Feb 28;78(14):1617-23. Epub 2005 Oct 17. PubMed PMID: 16229863.
3. Hubbard WC, Kee C, Kaufman PL. Aceclidine effects on outflow facility after ciliary muscle disinsertion. Ophthalmologica. 1996;210(5):303-7. PubMed PMID: 8878214.
4. Canovetti A, Nardi M, Figus M, Fogagnolo P, Benelli U. Aceclidine, brimonidine tartrate, and dapiprazole: comparison of miotic effect and tolerability under different lighting conditions. J Cataract Refract Surg. 2009 Jan;35(1):42-6. doi: 10.1016/j.jcrs.2008.09.009. PubMed PMID: 19101423.

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