

Aminacrine hydrochloride

Chemical Properties

CAS No. : 134-50-9

Formula: C₁₃H₁₁ClN₂

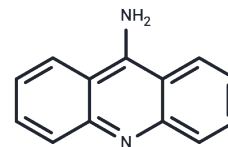
Molecular Weight: 230.693

Keep away from direct sunlight

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

Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	Aminacrine hydrochloride is a highly fluorescent anti-infective dye. It is also used as an intracellular pH indicator.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3348 mL	21.6741 mL	43.3482 mL
5 mM	0.867 mL	4.3348 mL	8.6696 mL
10 mM	0.4335 mL	2.1674 mL	4.3348 mL
50 mM	0.0867 mL	0.4335 mL	0.867 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

Cerón-Carrasco JP, Ruiz J, Vicente C, de Haro C, Bautista D, Zúñiga J, Requena A. DFT Simulation of Structural and Optical Properties of 9-Aminoacridine Half-Sandwich Ru(II), Rh(III), and Ir(III) Antitumoral Complexes and Their Interaction with DNA. *J Chem Theory Comput.* 2017 Aug 8;13(8):3898-3910. doi: 10.1021/acs.jctc.7b00139. Epub 2017 Jul 6. PubMed PMID: 28641006.

Ishigami-Yuasa M, Watanabe Y, Mori T, Masuno H, Fujii S, Kikuchi E, Uchida S, Kagechika H. Development of WNK signaling inhibitors as a new class of antihypertensive drugs. *Bioorg Med Chem.* 2017 Jul 15;25(14):3845-3852. doi: 10.1016/j.bmc.2017.05.034. Epub 2017 May 19. PubMed PMID: 28566208.

Xiao S, Wang T, Ma X, Qin Y, Li X, Zhao Z, Liu X, Wang X, Xie H, Jiang Q, Sun L, Luo B, Shang L, Chen W, Bai Y, Tang M, He M, Wu L, Ma Q, Hou D, He J. Efficacy and safety of a novel acetylcholinesterase inhibitor octohydroaminoacridine in mild-to-moderate Alzheimer's disease: a Phase II multicenter randomised controlled trial. *Age Ageing.* 2017 Sep 1;46(5):767-773. doi: 10.1093/ageing/afx045. PubMed PMID: 28419192.

Zhou D, Guo S, Zhang M, Liu Y, Chen T, Li Z. Mass spectrometry imaging of small molecules in biological tissues using graphene oxide as a matrix. *Anal Chim Acta.* 2017 Apr 15;962:52-59. doi: 10.1016/j.aca.2017.01.043. Epub 2017 Jan 31. PubMed PMID: 28231880.

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