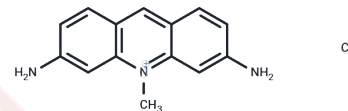


Acriflavine Hydrochloride

Chemical Properties

CAS No. :	8063-24-9
Formula:	C ₁₄ H ₁₄ ClN ₃
Molecular Weight:	259.73
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	Acriflavine Hydrochloride (Acriflavine HCl) is a HIF-1 α inhibitor. It acts by targeting HIF-1 α -mediated pathways and decreasing the level of PGK1, VEGF, and HIF-1 α in vitro and in vivo.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase, Antibacterial, HIF, Antifungal, Monocarboxylate transporter, SARS-CoV, PGK1

Solubility Information

Solubility	DMSO: 41.67 mg/mL (160.44 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 4.17 mg/mL (16.06 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8502 mL	19.2508 mL	38.5015 mL
5 mM	0.770 mL	3.8502 mL	7.7003 mL
10 mM	0.385 mL	1.9251 mL	3.8502 mL
50 mM	0.077 mL	0.385 mL	0.770 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

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