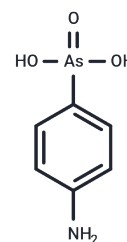


4-Aminophenylarsonic acid

Chemical Properties

CAS No. :	98-50-0
Formula:	C ₆ H ₈ AsNO ₃
Molecular Weight:	217.05
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	4-Aminophenylarsonic acid is an arsenic-containing aromatic organic compound consisting of a benzene ring, a para-amino group (-NH ₂), and an arsonic acid group (-AsO(OH) ₂). It exhibits antibacterial activity against colistin-susceptible <i>Klebsiella pneumoniae</i> . Combining the chemical properties of organic arsenic with the reactivity of amino groups, it can be used to prepare affinity chromatography resins, targeted drug carriers, and functional nanomaterials.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6072 mL	23.0362 mL	46.0723 mL
5 mM	0.9214 mL	4.6072 mL	9.2145 mL
10 mM	0.4607 mL	2.3036 mL	4.6072 mL
50 mM	0.0921 mL	0.4607 mL	0.9214 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

Yang TY, et al. Evaluation of the Organotellurium Compound AS101 for Treating Colistin- and Carbapenem-Resistant *Klebsiella pneumoniae*. *Pharmaceuticals (Basel)*. 2021;14(8):795. Published 2021 Aug 12.

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