

Aminohippurate sodium

Chemical Properties

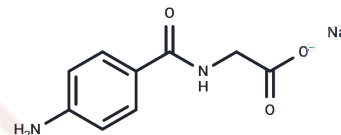
CAS No. : 94-16-6

Formula: C₉H₉N₂NaO₃

Molecular Weight: 216.17

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	Aminohippurate sodium (Sodium p-aminohippurate) is used as a diagnostic aid to measure effective renal plasma flow (ERPF) and excretory capacity.
Targets(IC50)	Others
In vivo	Plantagoside suppresses antibody response to sheep red blood cells and concanavalin A induced lymphocyte proliferation which was measured by [3H]thymidine incorporation.

Solubility Information

Solubility	DMSO: 46 mg/mL (212.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.25 mM),Sonication is recommended. <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	4.626 mL	23.1299 mL	46.2599 mL
5 mM	0.9252 mL	4.626 mL	9.252 mL
10 mM	0.4626 mL	2.313 mL	4.626 mL
50 mM	0.0925 mL	0.4626 mL	0.9252 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

Naidoo V, et al. Diclofenac toxicity in Gyps vulture is associated with decreased uric acid excretion and not renal portal vasoconstriction. *Comp Biochem Physiol C Toxicol Pharmacol.* 2009 Apr;149(3):269-74.

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