

N-Acetyl-L-arginine dihydrate

Chemical Properties

CAS No. :	210545-23-6
Formula:	C ₈ H ₂₀ N ₄ O ₅
Molecular Weight:	252.268
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	N-Acetyl-L-arginine dihydrate (N-Ac-L-arg-OH) is one of the guanidino compounds found elevated in the serum of a hemodialyzed renal insufficient (uremic) pediatric population.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50.00 mg/mL (198.20 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.964 mL	19.820 mL	39.6401 mL
5 mM	0.7928 mL	3.964 mL	7.928 mL
10 mM	0.3964 mL	1.982 mL	3.964 mL
50 mM	0.0793 mL	0.3964 mL	0.7928 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

De Deyn PP, et al. Serum guanidino compound levels in uremic pediatric patients treated with hemodialysis or continuous cycle peritoneal dialysis. Correlations between nerve conduction velocities and altered guanidino compound concentrations. Nephron. 1995;69(4):411-7.

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