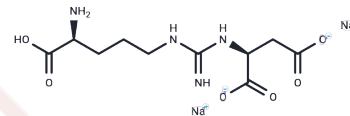


## Argininosuccinic acid disodium

## Chemical Properties

CAS No. :	918149-29-8
Formula:	C10H16N4Na2O6
Molecular Weight:	334.24
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	Argininosuccinic acid disodium, involved in the urea cycle's fourth step, is cleaved by argininosuccinate lyase (ASL) into arginine and fumarate. It diminishes reduced glutathione (GSH) levels and elevates reactive oxygen species in the cerebral cortex and striatum, leading to lipid peroxidation, protein oxidation, and oxidative stress in the developing rat brain [1] [2].
Targets(IC50)	Reactive Oxygen Species, Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9919 mL	14.9593 mL	29.9186 mL
5 mM	0.5984 mL	2.9919 mL	5.9837 mL
10 mM	0.2992 mL	1.4959 mL	2.9919 mL
50 mM	0.0598 mL	0.2992 mL	0.5984 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.

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