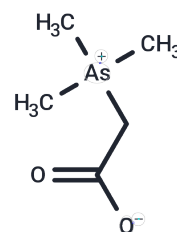


## Arsenobetaine

## Chemical Properties

CAS No. :	64436-13-1
Formula:	C <sub>5</sub> H <sub>11</sub> AsO <sub>2</sub>
Molecular Weight:	178.06
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	Arsenobetaine, an organoarsenical and compatible solute, is discovered in numerous marine animals like lobsters and crabs, and terrestrial organisms such as earthworms and lichens. It protects against <i>B. subtilis</i> cell death caused by high osmolarity or extreme temperatures at 1 mM concentration. Notably, arsenobetaine exhibits non-toxicity to mice with an LD <sub>50</sub> of 10 g/kg.
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6161 mL	28.0804 mL	56.1608 mL
5 mM	1.1232 mL	5.6161 mL	11.2322 mL
10 mM	0.5616 mL	2.808 mL	5.6161 mL
50 mM	0.1123 mL	0.5616 mL	1.1232 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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