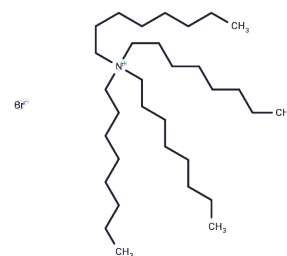


## Tetraoctylammonium bromide

## Chemical Properties

CAS No. :	14866-33-2
Formula:	C <sub>32</sub> H <sub>68</sub> BrN
Molecular Weight:	546.79
Storage:	Keep away from moisture 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	Tetraoctylammonium bromide (TOAB) is a quaternary ammonium salt composed of a positively charged tetraoctylammonium cation and a negatively charged bromide anion. It is commonly used as a phase transfer catalyst in organic chemistry to facilitate the transfer of reactants between immiscible phases. This compound also functions as a surfactant and dispersing agent in various industrial applications, such as the production of coatings, adhesives, and polymers. Moreover, the potential use of Tetraoctylammonium bromide in energy storage devices and as an antimicrobial agent has been studied.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8289 mL	9.1443 mL	18.2886 mL
5 mM	0.3658 mL	1.8289 mL	3.6577 mL
10 mM	0.1829 mL	0.9144 mL	1.8289 mL
50 mM	0.0366 mL	0.1829 mL	0.3658 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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