

Tetraheptylammonium bromide

Chemical Properties

CAS No. :	4368-51-8
Formula:	C ₂₈ H ₆₀ BrN
Molecular Weight:	490.687
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	Tetraheptylammonium bromide (>98%, BC) (THAB) is a quaternary ammonium compound often used as a phase transfer catalyst in organic synthesis reactions, especially those involving charged substances or polar reagents. It facilitates the transfer of reactants between two immiscible phases, such as water and organic solvents, by forming stable ion pairs. Additionally, THAB serves as a surfactant and an additive in various products like cosmetics, pharmaceuticals, and detergents. Its ability to complex with ions has also been explored for potential applications in removing heavy metal ions from wastewater.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0379 mL	10.1897 mL	20.3795 mL
5 mM	0.4076 mL	2.0379 mL	4.0759 mL
10 mM	0.2038 mL	1.019 mL	2.0379 mL
50 mM	0.0408 mL	0.2038 mL	0.4076 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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