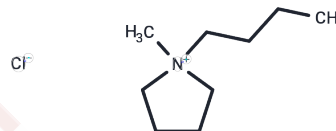


1-Butyl-1-methylpyrrolidinium chloride

Chemical Properties

CAS No. :	479500-35-1
Formula:	C ₉ H ₂₀ ClN
Molecular Weight:	177.72
Storage:	Store at RT <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1-Butyl-1-methylpyrrolidin-1-ium chloride, also known as BMIM chloride, is an ionic liquid composed of a positively charged pyrrolidinium cation and a negatively charged chloride anion. This compound is commonly used as a solvent in various chemical reactions, particularly those involving organic compounds and metals. It possesses unique physical and chemical properties, such as low volatility, high thermal stability, and tunable solubility, making it applicable in fields like catalysis, electrochemistry, and separation science. Additionally, 1-butyl-1-methylpyrrolidin-1-ium chloride has potential applications as a green solvent in energy storage devices and various industrial processes.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6268 mL	28.1341 mL	56.2683 mL
5 mM	1.1254 mL	5.6268 mL	11.2537 mL
10 mM	0.5627 mL	2.8134 mL	5.6268 mL
50 mM	0.1125 mL	0.5627 mL	1.1254 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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