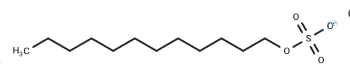


## Lithium dodecyl sulfate

## Chemical Properties

CAS No. :	2044-56-6
Formula:	C <sub>12</sub> H <sub>26</sub> LiO <sub>4</sub> S
Molecular Weight:	273.34
Appearance:	Solid
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Lithium dodecyl sulfate, an anionic detergent and surfactant, serves as a suitable substitute for sodium dodecyl sulfate (SDS) in electrophoresis applications at lower temperatures and is also applicable in nanomaterial synthesis and chromatography processes.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6584 mL	18.2922 mL	36.5845 mL
5 mM	0.7317 mL	3.6584 mL	7.3169 mL
10 mM	0.3658 mL	1.8292 mL	3.6584 mL
50 mM	0.0732 mL	0.3658 mL	0.7317 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.

## Reference

Delepelaire P, et, al. Lithium dodecyl sulfate/polyacrylamide gel electrophoresis of thylakoid membranes at 4 degrees C: Characterizations of two additional chlorophyll a-protein complexes. Proc Natl Acad Sci U S A. 1979 Jan;76(1):111-5.

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