

Lithium dodecyl sulfate

Chemical Properties

CAS No. :	2044-56-6
Formula:	C ₁₂ H ₂₅ LiO ₄ S
Molecular Weight:	272.331
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	Lithium dodecyl sulfate is an anionic detergent and surfactant that serves as an alternative to SDS in low-temperature electrophoresis.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 40.00 mg/mL (146.88 mM),Sonication is recommended. DMSO: 80.00 mg/mL (293.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.672 mL	18.3601 mL	36.7202 mL
5 mM	0.7344 mL	3.672 mL	7.344 mL
10 mM	0.3672 mL	1.836 mL	3.672 mL
50 mM	0.0734 mL	0.3672 mL	0.7344 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.

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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