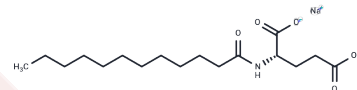


Sodium lauroyl glutamate

Chemical Properties

CAS No. :	29923-31-7
Formula:	C17H30NNaO5
Molecular Weight:	351.41
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sodium lauroyl glutamate (Acylglutamate LS-11) is an amino acid detergent and increases the solubility of long-chain alkyl gallates such as alkyl gallates.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 0.88 mg/mL (2.5 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	2.8457 mL	14.2284 mL	28.4568 mL
5 mM	0.5691 mL	2.8457 mL	5.6914 mL
10 mM	0.2846 mL	1.4228 mL	2.8457 mL
50 mM	0.0569 mL	0.2846 mL	0.5691 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

- Corazza M, et al. Irritant and sensitizing potential of eight surfactants commonly used in skin cleansers: an evaluation of 105 patients. *Dermatitis*. 2010 Sep-Oct;21(5):262-8.
- Chen Z, Liu J, Han Y. Rapid and sensitive determination of proteins by enhanced resonance light scattering spectroscopy of sodium lauroyl glutamate. *Talanta*. 2007 Feb 28;71(3):1246-51.
- Burnett CL, et al. Safety Assessment of Amino Acid Alkyl Amides as Used in Cosmetics. *Int J Toxicol*. 2017 May/Jun; 36(1_suppl):17S-56S.
- Ariki R, et al. Drug solubilization effect of lauroyl-L-glutamate. *J Biochem*. 2012 Jan;151(1):27-33.

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