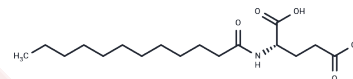


## Lauroyl glutamic acid

## Chemical Properties

CAS No. :	3397-65-7
Formula:	C17H31NO5
Molecular Weight:	329.43
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	Lauroyl glutamic acid (N-Lauroyl-L-glutamic acid) exhibits antiasthmatic effects.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 4 mg/mL (12.14 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	3.0355 mL	15.1777 mL	30.3555 mL
5 mM	0.6071 mL	3.0355 mL	6.0711 mL
10 mM	0.3036 mL	1.5178 mL	3.0355 mL
50 mM	0.0607 mL	0.3036 mL	0.6071 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

Wang RY, et al. From kinetic-structure analysis to engineering crystalline fiber networks in soft materials. *Phys Chem Chem Phys*. 2013 Mar 7;15(9):3313-9.

Kudou M, et al. Refolding single-chain antibody (scFv) using lauroyl-L-glutamate as a solubilization detergent and arginine as a refolding additive. *Protein Expr Purif*. 2011 May;77(1):68-74.

Zhang J, et al. C,N co-doped porous TiO<sub>2</sub> hollow sphere visible light photocatalysts for efficient removal of highly toxic phenolic pollutants. *Dalton Trans*. 2018 Apr 3;47(14):4877-4884.

Nguyen DV, et al. Drug permeation through skin is inversely correlated with carrier gel rigidity. *Mol Pharm*. 2015 Feb 2;12(2):444-52.

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