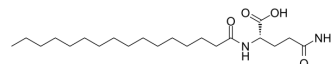


N-Palmitoyl-L-glutamine

Cat. No.:	HY-139666
CAS No.:	58725-34-1
Molecular Formula:	C ₂₁ H ₄₀ N ₂ O ₄
Molecular Weight:	384.55
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 66.67 mg/mL (173.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6004 mL	13.0022 mL	26.0044 mL
5 mM	0.5201 mL	2.6004 mL	5.2009 mL
10 mM	0.2600 mL	1.3002 mL	2.6004 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-Palmitoyl-L-glutamine is a Glutamine derivative^[1].

In Vitro

Owing to their molecular architecture N-Palmitoyl-L-glutamine is an amphiphilic compound with a pronounced ability to form micelles^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Massimo Maffei, et al. Effects of feeding *Spodoptera littoralis* on lima bean leaves. I. Membrane potentials, intracellular calcium variations, oral secretions, and regurgitate components. *Plant Physiol.* 2004 Apr;134(4):1752-62.

Caution: Product has not been fully validated for medical applications. For research use only.

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