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Produktinformation



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Zellkultur & Verbrauchsmaterial



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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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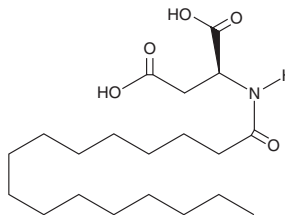
PRODUCT INFORMATION



N-Palmitoyl-L-Aspartate

Item No. 19952

CAS Registry No.:	1782-17-8
Formal Name:	N-(1-oxohexadecyl)-L-aspartic acid
Synonym:	BRN 2295471
MF:	C ₂₀ H ₃₇ NO ₅
FW:	371.5
Purity:	≥98%
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

N-Palmitoyl-L-Aspartate is supplied as a crystalline solid. A stock solution may be made by dissolving the N-palmitoyl-L-aspartate in the solvent of choice. N-Palmitoyl-L-Aspartate is soluble in organic solvents such as ethanol, methyl acetate, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of N-palmitoyl-L-aspartate in these solvents is approximately 25, 10, 15, and 20 g/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of N-palmitoyl-L-aspartate can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of N-palmitoyl-L-aspartate in PBS, pH 7.2, is approximately 2 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

N-Palmitoyl-L-Aspartate is a natural N-acylaspartate that inhibits Hedgehog signaling after stimulation with Smoothed agonist (SAG; Item No. 11914) or non-sterol-modified Sonic Hedgehog.¹ It does not alter the activity of cannabinoid receptors or fatty acid amide hydrolase.¹

Reference

1. Bilgin, M., Born, P., Fezza, F., *et al.* Lipid discovery by combinatorial screening and untargeted LC-MS/MS. *Sci. Rep.* **6**, 27920 (2016).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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