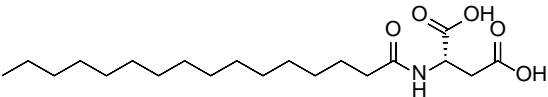


# Product data sheet



MedKoo Cat#: 597659 Name: Palmitoyl-L-aspartic acid CAS: 1782-17-8 Chemical Formula: C <sub>20</sub> H <sub>37</sub> NO <sub>5</sub> Exact Mass: 371.2672 Molecular Weight: 371.518		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Palmitoyl-L-aspartic acid is a natural N-acylaspartate that inhibits Hedgehog signaling after stimulation with Smoothed agonist or non-sterol-modified Sonic Hedgehog. It does not alter the activity of cannabinoid receptors or fatty acid amide hydrolase.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMF	20.0	53.83
DMSO	15.0	40.37
Ethanol	25.0	67.29
Methyl Acetate	10.0	26.92
PBS (pH 7.2)	2.0	5.38

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.69 mL	13.46 mL	26.92 mL
5 mM	0.54 mL	2.69 mL	5.38 mL
10 mM	0.27 mL	1.35 mL	2.69 mL
50 mM	0.05 mL	0.27 mL	0.54 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Palmitoyl-L-aspartic acid is a natural N-acylaspartate that inhibits Hedgehog signaling after stimulation with Smoothed agonist or non-sterol-modified Sonic Hedgehog.

In vitro activity

TBD

# Product data sheet



In vivo activity

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TBD

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*