

# Product data sheet



MedKoo Cat#: 464157 Name: Palmitic anhydride CAS: 623-65-4 Chemical Formula: C <sub>32</sub> H <sub>62</sub> O <sub>3</sub> Exact Mass: 494.4699 Molecular Weight: 494.845		
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:

Palmitic anhydride reacted with 20-methyl spirolide G to form a derivative with a retention time and spectrum identical with the metabolite, 17-O-palmitoyl-20-methyl spirolide G. Palmitic anhydride was used in the synthesis of water-soluble N-palmitoyl chitosan (PLCS) by coupling with swollen chitosan in dimethyl sulfoxide (DMSO). It was also used in the synthesis of N-acylphosphatidylserine.

## 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
TBD	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.02 mL	10.10 mL	20.21 mL
5 mM	0.40 mL	2.02 mL	4.04 mL
10 mM	0.20 mL	1.01 mL	2.02 mL
50 mM	0.04 mL	0.20 mL	0.40 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:

Palmitic anhydride is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In vitro activity

TBD

In vivo activity

TBD

# Product data sheet



*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.*