

Product data sheet



MedKoo Cat#: 574135 Name: Pal-GHK CAS: 147732-56-7 Chemical Formula: C ₃₀ H ₅₄ N ₆ O ₅ Exact Mass: 578.4156 Molecular Weight: 578.799	
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:

Pal-GHK is a form of the extracellular matrix-derived peptide GHK containing palmitic acid, which allows it to penetrate the stratum corneum to the epidermal and dermal skin layers. Pal-GHK increases collagen synthesis in skin fibroblasts. It has been used with the zwitterionic surfactant C12 dodecyldimethylamine oxide (C12DMAO) to study self-assembly of the mixture into aggregates, ribbons, and nanobelts. Pal-GHK has also been used as an internal standard for the quantification of pal-KTTKS in anti-wrinkle creams by LC-MS/MS.

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	30.0	51.83
DMSO	10.0	17.28
Ethanol	30.0	51.83

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.73 mL	8.64 mL	17.28 mL
5 mM	0.35 mL	1.73 mL	3.46 mL
10 mM	0.17 mL	0.86 mL	1.73 mL
50 mM	0.04 mL	0.17 mL	0.35 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 tripeptide-1 is a fatty acid modified polypeptide.

In vitro activity

TBD

Product data sheet



In vivo activity

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.