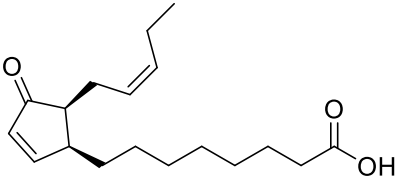




## Certificate of Analysis

| MedKoo Cat#: | Product Name:                                    | Lot#:    |
|--------------|--|----------|
| 561523       | 12-Oxo-Phytodienoic acid<br>(10mg/mL in ethanol) | YXM91127 |

| Chemical name  |   |
|--|---|
| 8-((1S,5S)-4-oxo-5-((Z)-pent-2-en-1-yl)cyclopent-2-en-1-yl)octanoic acid           |   |
| Synonyms   |   |
| 12-Oxo-Phytodienoic acid; 12-oxo PDA; OPDA   |   |
| Chemical structure   | CAS# and Theoretical analysis   |
|  | MedKoo Cat#: 561523<br>Name: 12-Oxo-Phytodienoic acid<br>CAS#: 85551-10-6<br>Lot#: YXM91127<br>Chemical Formula: C <sub>18</sub> H <sub>28</sub> O <sub>3</sub><br>Exact Mass: 292.2038<br>Molecular Weight: 292.41 |

| Analysis item      | Specifications / Results   |
|--------------------|--|
| Appearance         | Colorless to light yellow in ethanol solution. (12-Oxo-Phytodienoic acid in pure form is light yellow oily liquid)   |
| Structure          | <sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature. |
| Purity (HPLC)      | >91.0%   |
| Solubility         | Soluble in DMSO, Ethanol   |
| Conclusion         | This product conforms with MedKoo's quality standards  |
| Shipping condition | Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.                      |
| Storage condition  | Short term storage (weeks): 0 – 4 °C under dry condition<br>Long term storage (months): -20 °C under dry condition   |
| Shelf life         | At least 5 years if properly stored.   |

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**