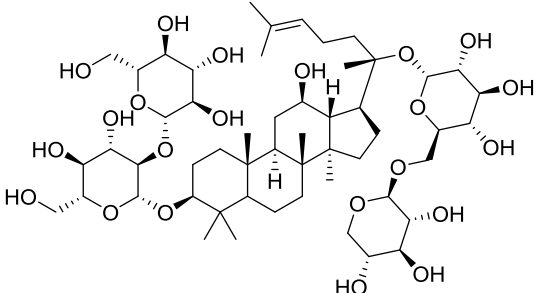




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 540167 | Ginsenoside Rb3 | T7R12C06 |

| Chemical name | |
|--|---|
| (2S,3R,4S,5S,6R)-2-(((2R,3R,4S,5S,6R)-4,5-dihydroxy-2-(((3S,8R,9R,10R,12R,13R,14R,17S)-12-hydroxy-4,4,8,10,14-pentamethyl-17-((S)-6-methyl-2-(((2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(((2S,3R,4S,5R)-3,4,5-trihydroxytetrahydro-2H-pyran-2-yl)oxy)methyl)tetrahydro-2H-pyran-2-yl)oxy)hept-5-en-2-yl)hexadecahydro-1H-cyclopenta[a]phenanthren-3-yl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3-yl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol | |
| Synonyms | |
| Ginsenoside C, Ginsenoside-Rb3, HY-N0041, HYN0041, HY N0041, FT-0626701, FT0626701, FT 0626701, CS-3831, CS3831, CS 3831. | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 540167 Name: Ginsenoside Rb3 CAS#: 68406-26-8 Lot#: T7R12C06 Chemical Formula: C ₅₃ H ₉₀ O ₂₂ Exact Mass: 1078.5924 Molecular Weight: 1079.28 |

| Analysis item | Specifications / Results |
|---------------------------|--|
| Appearance | White to off-white solid powder |
| Structure | ¹ 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) | >98.0% |
| Solubility | Soluble in DMSO. |
| 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 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