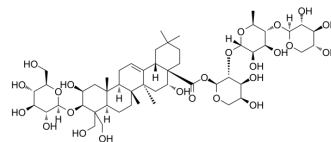


Deapioplatycodin D

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-N0588 | | |
| CAS No.: | 78763-58-3 | | |
| Molecular Formula: | C ₅₂ H ₈₄ O ₂₄ | | |
| Molecular Weight: | 1093.21 | | |
| Target: | HCV | | |
| Pathway: | Anti-infection | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | |
|---|--|--------------------------|-----------|-----------|
| In Vitro | DMSO : 100 mg/mL (91.47 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | Preparing Stock Solutions | | 10 mg | |
| | 1 mM | 0.9147 mL | 4.5737 mL | 9.1474 mL |
| | 5 mM | 0.1829 mL | 0.9147 mL | 1.8295 mL |
| | 10 mM | 0.0915 mL | 0.4574 mL | 0.9147 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.29 mM); Clear solution | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.29 mM); Clear solution | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.29 mM); Clear solution | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | Deapioplatycodin D is a triterpenoid saponin isolated from <i>Platycodon grandiflorum</i> , with anti-HCV activity ^[1] . |
|-------------|---|

REFERENCES

[1]. Kim JW, et al. Triterpenoid Saponins Isolated from *Platycodon grandiflorum* Inhibit Hepatitis C Virus Replication. Evid Based Complement Alternat Med.

Caution: Product has not been fully validated for medical applications. For research use only.

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