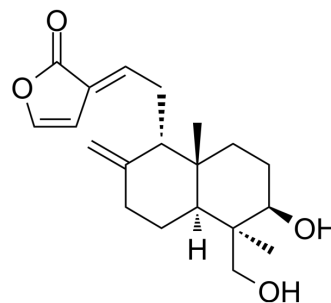


Dehydroandrographolide

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| Cat. No.: | HY-N0676 |
| CAS No.: | 134418-28-3 |
| Molecular Formula: | C ₂₀ H ₂₈ O ₄ |
| Molecular Weight: | 332.43 |
| Target: | Influenza Virus |
| Pathway: | Anti-infection |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

| | | | | | | | |
|---|---|-----------------------|------|-------|-----------|------------|------------|
| In Vitro | DMSO : 250 mg/mL (752.04 mM; Need ultrasonic) | | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg | |
| | | | | 1 mM | 3.0082 mL | 15.0408 mL | 30.0815 mL |
| | | | | 5 mM | 0.6016 mL | 3.0082 mL | 6.0163 mL |
| | | | | 10 mM | 0.3008 mL | 1.5041 mL | 3.0082 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: ≥ 2.08 mg/mL (6.26 mM); Clear solution | | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution | | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution | | | | | | |

BIOLOGICAL ACTIVITY

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|-------------|--|
| Description | Dehydroandrographolide can be extracted from herbal medicine <i>Andrographis paniculata</i> Nees. Dehydroandrographolide reduces oxidative stress in LPS-induced acute lung injury by inactivating iNOS. Dehydroandrographolide has anti-infective activity ^{[1][2][3]} . |
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Caution: Product has not been fully validated for medical applications. For research use only.

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