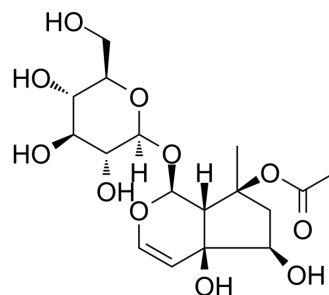


8-O-Acetylharpagide

| | |
|--------------------|--|
| Cat. No.: | HY-N0757 |
| CAS No.: | 6926-14-3 |
| Molecular Formula: | C ₁₇ H ₂₆ O ₁₁ |
| Molecular Weight: | 406.38 |
| Target: | Bacterial |
| 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 : 25 mg/mL (61.52 mM; Need ultrasonic) | | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg | |
| | | | | 1 mM | 2.4608 mL | 12.3038 mL | 24.6075 mL |
| | | | | 5 mM | 0.4922 mL | 2.4608 mL | 4.9215 mL |
| | | | | 10 mM | 0.2461 mL | 1.2304 mL | 2.4608 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 (6.15 mM); Clear solution | | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.15 mM); Clear solution | | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.15 mM); Clear solution | | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | 8-O-Acetylharpagide is an iridoid isolated from <i>Ajuga reptans</i> with antitumoral, antiviral, antibacterial, and anti-inflammatory activities. 8-O-Acetylharpagide also has a biological activity on isolated smooth muscle preparations from guinea pig ^{[1][2]} . |
|-------------|--|

REFERENCES

[1]. Wen B, et al. Pharmacokinetics of 8-O-acetylharpagide and harpagide after oral administration of *Ajuga decumbens* Thunb extract in rats. *J Ethnopharmacol.* 2013 May 20;147(2):503-8.

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

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