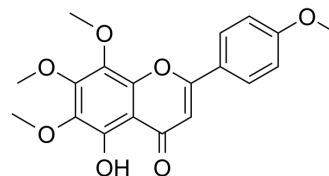


Gardenin B

| | |
|---------------------------|--|
| Cat. No.: | HY-N6037 |
| CAS No.: | 2798-20-1 |
| Molecular Formula: | C ₁₉ H ₁₈ O ₇ |
| Molecular Weight: | 358.34 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

| | | | | | |
|---|--|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 16.67 mg/mL (46.52 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 2.7906 mL | 13.9532 mL | 27.9065 mL |
| | | 5 mM | 0.5581 mL | 2.7906 mL | 5.5813 mL |
| | | 10 mM | 0.2791 mL | 1.3953 mL | 2.7906 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.98 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.67 mg/mL (4.66 mM); Suspended solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Gardenin B is a flavonoid isolated from <i>Baccharis scandens</i> . Gardenin B induces cell death in human leukemia cells involves multiple caspases ^[1] . |
|--------------------|---|

REFERENCES

[1]. Cabrera J, et al. Gardenin B-induced cell death in human leukemia cells involves multiple caspases but is independent of the generation of reactive oxygen species. *Chem Biol Interact.* 2016 Aug 25;256:220-7.

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

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