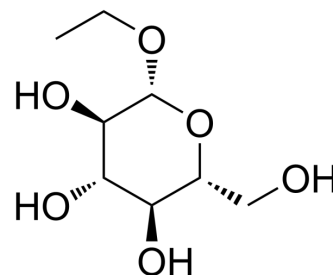


## Ethyl β-D-glucopyranoside

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-N3872   |
| <b>CAS No.:</b>           | 3198-49-0  |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>16</sub> O <sub>6</sub>  |
| <b>Molecular Weight:</b>  | 208.21   |
| <b>Target:</b>            | Others   |
| <b>Pathway:</b>           | Others   |
| <b>Storage:</b>           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (480.28 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass      |            |            |
|---------------------------|-----------------------|-----------|------------|------------|
|                           |                       | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                  | 4.8028 mL | 24.0142 mL | 48.0284 mL |
|                           | 5 mM                  | 0.9606 mL | 4.8028 mL  | 9.6057 mL  |
|                           | 10 mM                 | 0.4803 mL | 2.4014 mL  | 4.8028 mL  |

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Ethyl β-D-glucopyranoside (compound 10) is a kind of phenolic compound. Ethyl β-D-glucopyranoside can be isolated from ethanolic extract of *Scabiosa stellata* LS.

### REFERENCES

- [1]. Naima Rahmouni, et al. *Scabiosa stellata* L. Phenolic Content Clarifies Its Antioxidant Activity. *Molecules*. 2018, 23, 6.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA