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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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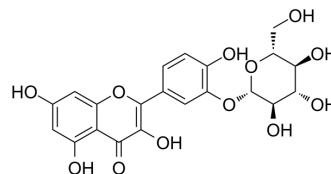
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Quercetin-3'-O-glucoside

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-N12445 | | |
| CAS No.: | 19254-30-9 | | |
| Molecular Formula: | C ₂₁ H ₂₀ O ₁₂ | | |
| Molecular Weight: | 464.38 | | |
| Target: | Others | | |
| Pathway: | Others | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (215.34 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 2.1534 mL | 10.7670 mL | 21.5341 mL |
| 5 mM | 0.4307 mL | 2.1534 mL | 4.3068 mL |
| 10 mM | 0.2153 mL | 1.0767 mL | 2.1534 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 (5.38 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Quercetin-3'-O-glucoside is a flavonol, which can be isolated from the flowers of Quercetin. Quercetin-3'-O-glucoside modulates Alloxan (HY-W017227)-induced hyperglycemia and lipid peroxidation (LPO) in rats, exerting anti-diabetic and anti-peroxidation effects. Quercetin-3'-O-glucoside improves diabetes and tissue lipid peroxidation by virtue of its insulin-stimulating and/or free radical-scavenging properties^{[1][2]}.

REFERENCES

- [1]. Lai X, et al. Simultaneous determination of seven active flavonols in the flowers of *Abelmoschus manihot* by HPLC. *J Chromatogr Sci.* 2009 Mar;47(3):206-10.

[2]. Panda S, et al. Antidiabetic and antioxidative effects of *Annona squamosa* leaves are possibly mediated through quercetin-3-O-glucoside. *Biofactors*. 2007;31(3-4):201-10.

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

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