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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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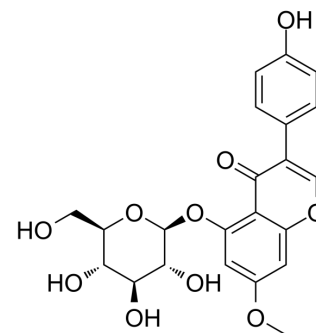
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Prunetin 5-O-β-D-glucopyranoside

Cat. No.:	HY-N7683
CAS No.:	89595-66-4
Molecular Formula:	C ₂₂ H ₂₂ O ₁₀
Molecular Weight:	446.4
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Prunetin 5-O-β-D-glucopyranoside is an isoflavone isolated from extracts of <i>Potentilla astracantha</i> . Prunetin 5-O-β-D-glucopyranoside is a potent and uncompetitive inhibitor of α-glucosidase, with an IC ₅₀ of 56.05 μg/mL. Prunetin 5-O-β-D-glucopyranoside can be used for the research of type-2 diabetes ^[1] .
IC ₅₀ & Target	IC ₅₀ : 56.05 μg/mL (α-glucosidase) ^[1]

REFERENCES

[1]. Şöhretoğlu D, et, al. α-Glucosidase inhibitory effect of *Potentilla astracantha* and some isoflavones: Inhibition kinetics and mechanistic insights through in vitro and in silico studies. *Int J Biol Macromol.* 2017 Dec; 105(Pt 1):1062-1070.

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

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