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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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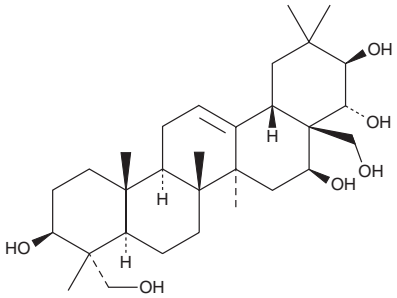
PRODUCT INFORMATION

Gymnemagenin

Item No. 11713



CAS Registry No.:	22467-07-8
Formal Name:	4α-olean-12-ene-3β,16β,21β,22α,23,28-hexol
MF:	$C_{30}H_{50}O_6$
FW:	506.7
Purity:	≥98%
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Gymnemagenin is supplied as a crystalline solid. A stock solution may be made by dissolving the gymnemagenin in the solvent of choice. Gymnemagenin is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of gymnemagenin in these solvents is approximately 30 mg/ml.

Gymnemagenin is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, gymnemagenin should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Gymnemagenin has a solubility of approximately 0.3 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Gymnemagenin is the aglycone core of gymnemic acids A and B, triterpenoid sweetness inhibitors derived from *G. sylvestre*.[1] It is used as a biomarker for the quantification of gymnemic acids in medicinal plant extracts.[2]

References

1. Suttisri, R., Lee, I.S., and Kinghorn, A.D. Plant-derived triterpenoid sweetness inhibitors. *J. Ethnopharmacol.* **47(1)**, 9-26 (1995).
2. Mandal, V., Dewanjee, S., and Mandal, S.C. Microwave-assisted extraction of total bioactive saponin fraction from *Gymnema sylvestre* with reference to gymnemagenin: A potential biomarker. *Phytochem Anal.* **20(6)**, 491-497 (2009).

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