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Produktinformation



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Taccalonolide AJ

Item No. 41223

CAS Registry No.: 2230777-09-8

Formal Name: (1 α ,2 α ,3 α ,5 α ,7 β ,11 α ,12 α ,15 α ,16 β ,22R,23R,25S)-1,11,12-tris(acetyloxy)-2,3:22,23-diepox-7,15,23,25-tetrahydroxy-6-oxo-16,24-cycloergostan-26-oic acid, γ -lactone

MF: C₃₄H₄₄O₁₄

FW: 676.7

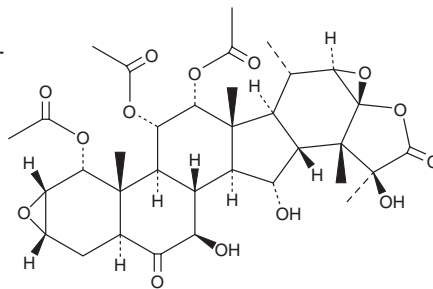
Purity: $\geq 98\%$

Supplied as: A solid

Storage: -20°C

Stability: ≥ 4 years

Item Origin: Plant/*Tacca chantieri* André



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

Laboratory Procedures

Taccalonolide AJ is supplied as a solid. A stock solution may be made by dissolving the taccalonolide AJ in the solvent of choice, which should be purged with an inert gas. Taccalonolide AJ is slightly soluble (0.1-1 mg/ml) in methanol and sparingly soluble (1-10 mg/ml) in chloroform.

Description

Taccalonolide AJ is a taccalonolide that has been found in plants of the genus *Tacca* and has anticancer activity.¹ It enhances microtubule polymerization in a cell-free assay when used at concentrations ranging from 5 to 30 μ M. Taccalonolide AJ inhibits the proliferation of HeLa cells (IC₅₀ = 4 nM).

Reference

1. Risinger, A.L., Li, J., Bennett, M.J., *et al.* Taccalonolide binding to tubulin imparts microtubule stability and potent *in vivo* activity. *Cancer Res.* **73**(22), 6780-6792 (2013).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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