

Taccalonolide A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Taccalonolide A

Catalog No.: CFN90596

Cas No.: 108885-68-3

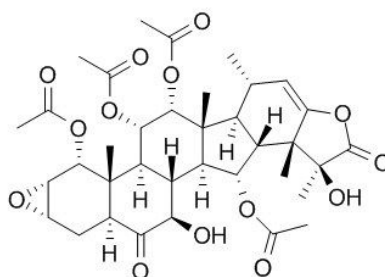
Purity: > 98%

M.F: C₃₆H₄₆O₁₄

M.W: 702.74

Physical Description: Powder

Synonyms: (1 α ,2 α ,3 α ,5 α ,7 β ,11 α ,12 α ,15 α ,16 β ,24 β ,25S)-1,11,12,15-Tetrakis(acetyloxy)-2,3-epoxy-7,23,25-trihydroxy-6-oxo-16,24-cycloergost-22-en-26-oic acid gamma-lactone.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The rhizomes of *Schizocapsa plantaginea* Hance.

[Biological Activity or Inhibitors]

Taccalonolide A is a microtubule stabilizer that has cellular effects almost identical to paclitaxel, taccalonolide A causes bundling of interphase microtubules at concentrations that cause antiproliferative effects, the effects of microtubule targeting agents on interphase microtubules might play a prominent role in their clinical anticancer efficacy.^[1]

Several taccalonolides, isolated from *Tacca leontopetaloides*, have in vitro antitrypanosomal activity against *Trypanosoma brucei brucei* and EC₅₀ values for the isolated compounds were from 0.79 ug/mL.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]

Not data available.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Risinger A L, Mooberry S L. *Cell Cycle*, 2011, 10(13):2162-71.

[2] Dike V T, Vihhior B, Boshia J A, *et al. Phytochem. Analysis*, 2016, 27(3-4):217–21.

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