



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## Taccalonolide B

Item No. 41098

CAS Registry No.: 108885-69-4

Formal Name: (5 $\alpha$ )-1 $\alpha$ ,11 $\alpha$ ,12 $\alpha$ -tris(acetyloxy)-2 $\alpha$ ,3 $\alpha$ -epoxy-7 $\beta$ ,15 $\alpha$ ,23,25S-tetrahydroxy-6-oxo- $\gamma$ -lactone, 16 $\beta$ ,24 $\beta$ -cycloergost-22-en-26-oic acid

MF: C<sub>34</sub>H<sub>44</sub>O<sub>13</sub>

FW: 660.7

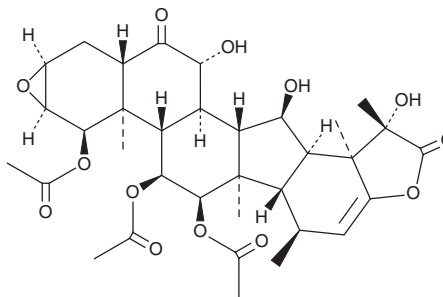
Purity:  $\geq 98\%$

Supplied as: A solid

Storage: -20°C

Stability:  $\geq 4$  years

Item Origin: Plant/*Tacca chantrieri*



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

### Laboratory Procedures

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

### Description

Taccalonolide B is a taccalonolide that has been found in *T. chantrieri* and has anticancer activity.<sup>1</sup> It induces microtubule bundling, formation of abnormal mitotic spindles, and cell cycle arrest at the G<sub>2</sub>/M phase in HeLa cervical cancer cells when used at a concentration of 0.8  $\mu$ M. Taccalonolide B decreases the proliferation of HeLa cells (IC<sub>50</sub> = 190 nM).

### Reference

1. Peng, J., Risinger, A.L., Fest, G.A., *et al.* Identification and biological activities of new taccalonolide microtubule stabilizers. *J. Med. Chem.* **54**(17), 6117-6124 (2011).

#### 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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