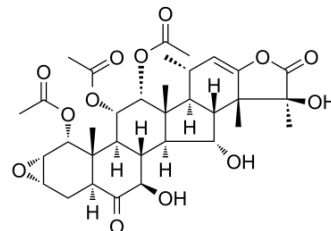


## Taccalonolide B

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-N3028  |
| CAS No.:           | 108885-69-4   |
| Molecular Formula: | C <sub>34</sub> H <sub>44</sub> O <sub>13</sub>   |
| Molecular Weight:  | 660.71  |
| Target:            | Microtubule/Tubulin   |
| Pathway:           | Cell Cycle/DNA Damage; Cytoskeleton   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |
|---------------------------|---|
| Description               | Taccalonolide B is microtubule stabilizer isolated from <i>Tacca plantaginea</i> , with antitumor activity. Taccalonolide B is effective in vitro against cell lines that overexpress P-glycoprotein (Pgp) and multidrug-resistance protein (MRP7). Taccalonolide B inhibits growth of SK-OV-3 cells with an IC <sub>50</sub> of 208 nM <sup>[1][2]</sup> . |
| IC <sub>50</sub> & Target | microtubule <sup>[2]</sup>  |

### REFERENCES

- [1]. LiangChen Zhong, et al. Steroidal bitter principles from *tacca plantaginea* structures of taccalonolide A and B. *Tetrahedron Letters*. 1987, 28(15): 1673-1675.
- [2]. Risinger AL, et al. The taccalonolides: microtubule stabilizers that circumvent clinically relevant taxane resistance mechanisms. *Cancer Res*. 2008 Nov 1;68(21):8881-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA