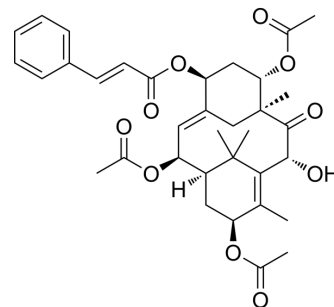


## Taxuspine B

Cat. No.:	HY-N7289
CAS No.:	157414-05-6
Molecular Formula:	C <sub>35</sub> H <sub>42</sub> O <sub>10</sub>
Molecular Weight:	622.7
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Taxuspine B is a natural product, that can be isolated from Japanese yew <i>Taxus</i> . Taxuspine B exhibits appreciable taxol-like activity to reduce CaCl <sub>2</sub> -induced depolymerization of microtubules among the taxoids <sup>[1]</sup> .
<b>In Vitro</b>	Taxuspine B shows weak cytotoxicity against murine lymphoma L1210 (IC <sub>50</sub> =18 µg/mL) and human epidermoid carcinoma KB cells, with inhibition at 10 µg/mL of 42.3% and 11.8%, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Juníchi Kobayashi, et al. Taxuspines A-C, new taxoids from Japanese yew *Taxus cuspidata* inhibiting drug transport activity of P-glycoprotein in multidrug-resistant cells. 1994, 50(25):7401-7416.

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

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