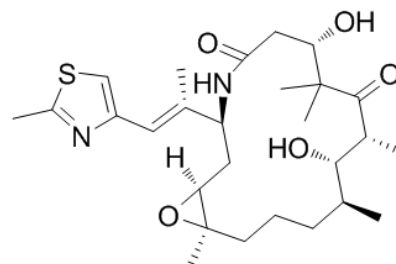


**Product Name** : Ixabepilone  
**Cat. No.** : PC-42466  
**CAS No.** : 219989-84-1  
**Molecular Formula** : C<sub>27</sub>H<sub>42</sub>N<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight** : 506.6978  
**Target** : Microtubule/Tubulin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ixabepilone (Azaepothilone B, BMS-247550) is a semisynthetic Epothilone B analogue and potent, orally active **microtubule** stabilizer, also is a **TUBB3** inhibitor.

Ixabepilone shows a broad spectrum of activity against a panel of tumor cell lines in vitro (IC<sub>50</sub>=1.4-34.5 nM).

Ixabepilone retains the antineoplastic activity against human cancers that are resistance to paclitaxel both in vitro and in vivo.

## References

Lee FY, et al. *Clin Cancer Res.* 2001 May;7(5):1429-37.

Yamaguchi H, et al. *Cancer Res.* 2002 Jan 15;62(2):466-71.

Peterson JK, et al. *Clin Cancer Res.* 2005 Oct 1;11(19 Pt 1):6950-8.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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