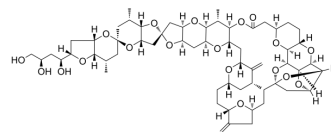


## Halichondrin B

Cat. No.:	HY-N10536
CAS No.:	103614-76-2
Molecular Formula:	C <sub>60</sub> H <sub>86</sub> O <sub>19</sub>
Molecular Weight:	1111.31
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Halichondrin B is found from the sponge Halichondria okadaï. Halichondrin B is a noncompetitive inhibitor of Vinca-alkaloid binding to tubulin (IC <sub>50</sub> for tubulin polymerization of 1.2-1.4 µM). Halichondrin B shows anti-tumor activity <sup>[1]</sup> .	
<b>In Vitro</b>	Halichondrin B (0.1-10 nM, 16 h) treatment inhibits the growth of L1210 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Cytotoxicity Assay <sup>[1]</sup>	
	Cell Line:	L1210 cells
	Concentration:	0.1-10 nM
	Incubation Time:	16 hours
	Result:	Inhibited L1210 cell with IC <sub>50</sub> value of 0.3 nM.

### REFERENCES

[1]. Halichondrin B and homohalichondrin B, marine natural products binding in the vinca domain of tubulin. Discovery of tubulin-based mechanism of action by analysis of differential cytotoxicity data. J Biol Chem. 1991 Aug 25;266(24):15882-9.

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

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