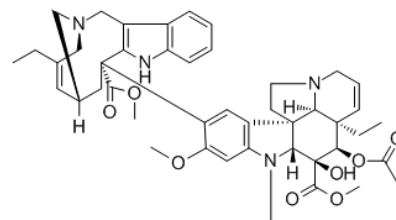


Product Name : Vinorelbine
Cat. No. : PC-42866
CAS No. : 71486-22-1
Molecular Formula : C₄₅H₅₄N₄O₈
Molecular Weight : 778.9323
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

Vinorelbine (KW-2307) is a vinca alkaloid chemotherapy agent that inhibits cancer cell mitosis through interaction with **tubulin**, inhibits HeLa cell proliferation with IC₅₀ of 1.25 nM.

Vinorelbine induces HeLa mitotic block at the metaphase/anaphase transition with IC₅₀ of 3.8 nM, blocks cells exhibited aberrant spindles, consistent with induction of block by suppression of microtubule dynamics.

References

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Ngan VK, et al. Mol Pharmacol. 2001 Jul;60(1):225-32.

Monnet I, et al. Eur J Cancer. 1991;27(12):1716-7.

Rahmani R, et al. Cancer Res. 1984 Dec;44(12 Pt 1):5609-13.

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

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