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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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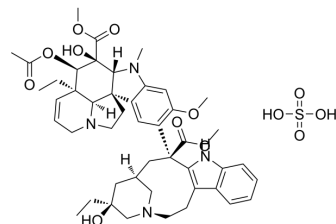
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Vinblastine sulfate (Standard)

Cat. No.:	HY-13780R
CAS No.:	143-67-9
Molecular Formula:	C ₄₆ H ₆₀ N ₄ O ₁₃ S
Molecular Weight:	909.05
Target:	Autophagy; Microtubule/Tubulin
Pathway:	Autophagy; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vinblastine (sulfate) (Standard) is the analytical standard of Vinblastine (sulfate). This product is intended for research and analytical applications. Vinblastine sulfate is a cytotoxic alkaloid used against various cancer types. Vinblastine sulfate inhibits the formation of microtubule and suppresses nAChR with an IC ₅₀ of 8.9 μM.
IC₅₀ & Target	IC ₅₀ : 8.9 μM(nAChR) ^[1]

REFERENCES

- [1]. McKay DB, et al. Nicotinic and nonnicotinic receptor-mediated actions of vinblastine. *Proc Soc Exp Biol Med*. 1993 Jul;203(3):372-6.
- [2]. Pandya P, et al. Molecular recognition pattern of cytotoxic alkaloid vinblastine with multiple targets. *J Mol Graph Model*. 2014 Nov;54:1-9.
- [3]. Calvi?o E, et al. JNK and NFκB dependence of apoptosis induced by vinblastine in human acute promyelocytic leukaemia cells. *Cell Biochem Funct*. 2015 Jun;33(4):211-9.
- [4]. Selimovic D, et al. Vinblastine-induced apoptosis of melanoma cells is mediated by Ras homologous A protein (Rho A) via mitochondrial and non-mitochondrial-dependent mechanisms. *Apoptosis*. 2013 Aug;18(8):980-97.
- [5]. Bánóczy Z, et al. Synthesis and in vitro antitumor effect of vinblastine derivative-oligoarginine conjugates. *Bioconjug Chem*. 2010 Nov 17;21(11):1948-55.

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

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