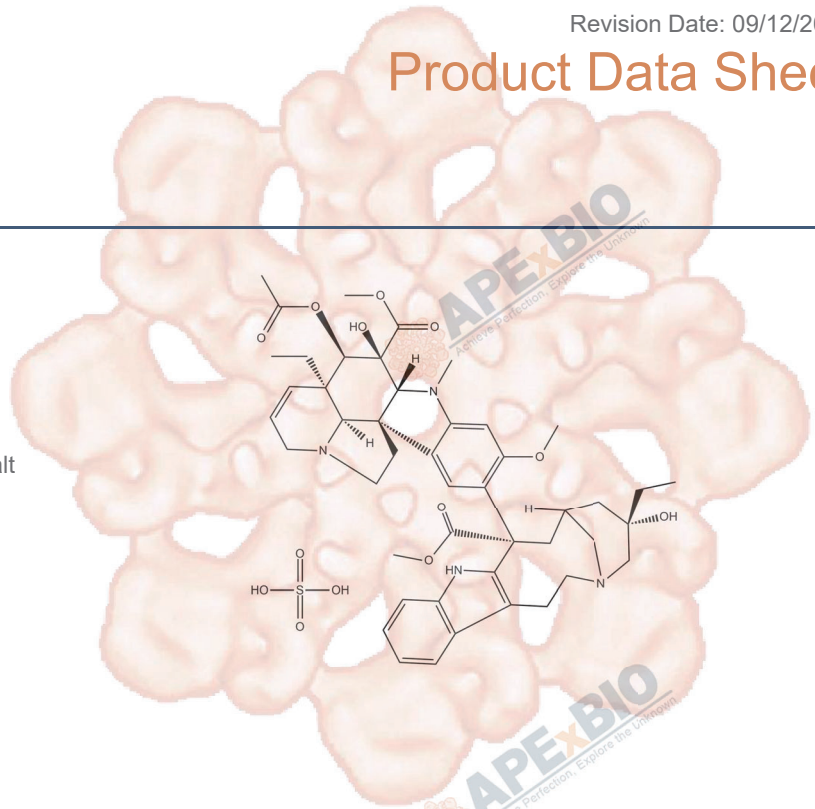


Product Data Sheet

Vinblastine sulfate

Cat. No.:	A3920
CAS No.:	143-67-9
Formula:	C ₄₆ H ₆₀ N ₄ O ₁₃ S
M.Wt:	909.05
Synonyms:	Vincalukoblastine sulfate salt
Target:	Ubiquitination/ Proteasome
Pathway:	Autophagy
Storage:	Store at -20°C



Solvent & Solubility

≥28.85 mg/mL in DMSO, insoluble in EtOH, ≥48.2 mg/mL in H₂O with ultrasonic

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	1.1000 mL	5.5002 mL	11.0005 mL
		5 mM	0.2200 mL	1.1000 mL	2.2001 mL
		10 mM	0.1100 mL	0.5500 mL	1.1000 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	Anti-mitotic agent
IC ₅₀ & Target	
In Vitro	Cell Viability Assay
	Preparation method:
In Vivo	Animal experiment
	Applications:

Product Citations

1. Goodspeed A, Jean A, et al. "A Whole-genome CRISPR Screen Identifies a Role of MSH2 in Cisplatin-mediated Cell Death in Muscle-invasive Bladder Cancer." *Eur Urol*. 2019 Feb;75(2):242-250.PMID:30414698
2. Chen M, Lei X, et al. "Pericyte-targeting prodrug overcomes tumor resistance to vascular disrupting agents." *J Clin Invest*. 2017 Oct 2;127(10):3689-3701.PMID:28846068

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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