

**Catalog # 10-2570**

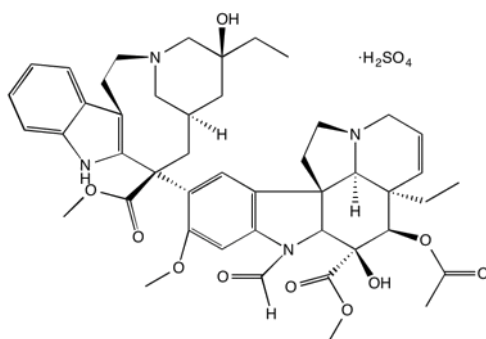
**Vincristine sulfate**

CAS# 2068-78-2

Leurocristine sulfate

22-Oxovincalcoloblastine sulfate

Lot # X101327



Arrests cell cycle at G2/M by interfering with mitotic spindle formation. Depolymerizes microtubules and blocks binding of tubulin to microtubule proteins<sup>1,2</sup>. Induces apoptosis<sup>3</sup>. Clinically useful cancer chemotherapeutic agent.

- 1) Jordan *et al.* (1998), *Tubulin as a target for anticancer drugs: agents which interact with the mitotic spindle*; Med. Res. Rev., **18** 259
- 2) Lobert *et al.* (1996), *Interaction of vinca alkaloids with tubulin: a comparison of vinblastine, vincristine, and vinorelbine*; Biochemistry, **35** 6806
- 3) Wang *et al.* (1999), *The effect of antimicrotubule agents on signal transduction pathways of apoptosis: a review*; Cancer Chemother. Pharmacol., **44** 355

**PHYSICAL DATA**

Molecular Weight:	923.06
Molecular Formula:	C <sub>46</sub> H <sub>56</sub> N <sub>4</sub> O <sub>10</sub>
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	Water (up to 80 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room -20°C for up to 2 years from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

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