



LKT Laboratories, Inc.

Vincristine Sulfate

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Product Information

Product ID V5254
CAS No. 2068-78-2
Chemical Name 22-Oxovincal leukoblastine sulfate

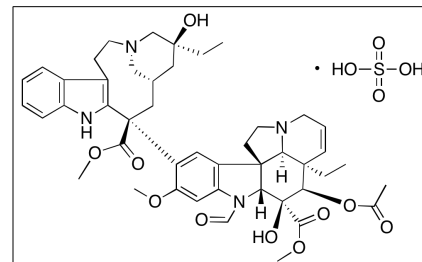
Synonym Kyocristine, Oncovin, Vincrex

Formula $C_{46}H_{56}N_4O_{10} \cdot H_2O_4S$
Formula Wt. 923.05
Melting Point 273-281 °C
Purity ≥98%
Solubility Soluble in water (50 mg/mL),
methanol (20 mg/mL), PBS (2
mg/mL). Slightly soluble in
ethanol or chloroform.

Store Temp -20 °C

Ship Temp Ambient

Description Vincristine is a vinca alkaloid found in *Catharanthus* that exhibits immunosuppressive and anticancer chemotherapeutic activities. Vincristine is an anti-mitotic that binds tubulin and inhibits microtubule polymerization; it is clinically used to treat lymphomas and leukemias and is one component of the CHOP chemotherapy cocktail. In melanoma cells, vincristine increases activation of AMPK and inhibition of mTORC1 signaling. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V5254	5 mg	\$52.50
V5254	10 mg	\$97.30
V5254	25 mg	\$143.30

References Wang L, Xia ZJ, Huang HQ, et al. Cyclophosphamide, doxorubicin, vincristine, and prednisone (CHOP) in the treatment of stage IE/IIIE extranodal natural killer/T cell lymphoma, nasal type: 13-year follow-up in 135 patients. *Int J Hematol*. 2012 Nov;96(5):617-23. PMID: 22983648.

Chen MB, Shen WX, Yang Y, et al. Activation of AMP-activated protein kinase is involved in vincristine-induced cell apoptosis in B16 melanoma cell. *J Cell Physiol*. 2011 Jul;226(7):1915-25. PMID: 21506122.

Jordan MA, Wilson L. Microtubules as a target for anticancer drugs. *Nat Rev Cancer*. 2004 Apr;4(4):253-65. PMID: 15057285.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.