



LKT Laboratories, Inc.

Vinorelbine Base

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Product Information

Product ID V3251

CAS No. 71486-22-1

Chemical Name 3',4'-Didehydro-4'-deoxy-C'-norvincaleukoblastine

Synonym Vinorelbine, NavelbineR, KW 2307, nor-5'-anhydrovinblastine, NVB

Formula C₄₅H₅₄N₄O₈

Formula Wt. 778.93

Melting Point

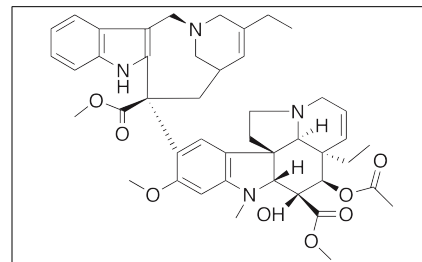
Purity ≥90%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description Vinorelbine is a semi-synthetic vinca alkaloid originally found in *Catharanthus* that exhibits anticancer chemotherapeutic activity. Vinorelbine binds β-tubulin and stimulates microtubule depolymerization, acting as an anti-mitotic. Vinorelbine is clinically used to treat breast cancer and non-small cell lung cancer (NSCLC). In osteosarcoma cells, vinorelbine downregulates expression of cyclin D1 and upregulates expression of p53, inhibiting cell growth.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V3251	1 mg	\$50.00
V3251	5 mg	\$178.40
V3251	25 mg	\$499.50

References Capasso A. Vinorelbine in cancer therapy. *Curr Drug Targets*. 2012 Jul;13(8):1065-71. PMID: 22594474.

Roncuzzi L, Marti G, Baiocchi D, et al. Effect of Vinorelbine on cell growth and apoptosis induction in human osteosarcoma in vitro. *Oncol Rep*. 2006 Jan;15(1):73-7. PMID: 16328036.

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