



# 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** C<sub>45</sub>H<sub>54</sub>N<sub>4</sub>O<sub>8</sub>

**Formula Wt.** 778.93

**Melting Point**

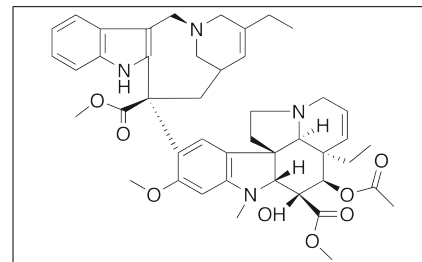
**Purity** ≥90%

**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	\$52.50
V3251	5 mg	\$187.30
V3251	25 mg	\$524.50

**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.