

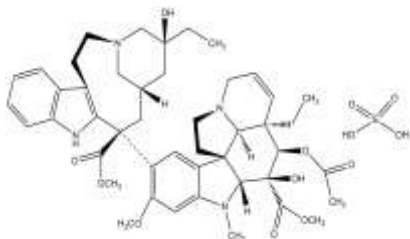
Vinblastine Sulfate

ALTERNATE NAME: Vincal leukoblastine sulfate salt; VLB

CATALOG #: 1959-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{46}H_{58}N_4O_9S \cdot H_2SO_4$

MOLECULAR WEIGHT: 909.05

CAS NUMBER: 143-67-9

APPEARANCE: White solid

SOLUBILITY: DMSO (~ 50 mg/ml) or Water (~ 10 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C. Protect from light

DESCRIPTION: A plant alkaloid that arrests the cell cycle in G2/M phase by blocking mitotic spindle formation. Inhibits normal microtubule assembly and causes aberrant tubulin polymerization. Blocks binding of tubulin to microtubule proteins. Induces apoptosis. Triggers Raf-1 activation, phosphorylation of Bcl-2 family proteins and induction of p53 expression. Cancer chemotherapeutic agent.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Betulinic Acid (**Cat. No. 1552-25**)
- Bexarotene (**Cat. No. 1575-5, 50**)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (**Cat. No. 1553-100**)
- Cisplatin (**Cat. No. 1550-100,1000**)
- Daunorubicin.HCl (**1524-10,50,500**)
- Doxorubicin HCl (**Cat. No. 1527-5**)
- (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
- Fludarabine Phosphate (**Cat. No. 1763-10, 50**)
- Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)
- Genistein (**Cat. No. 1533-10**)
- Nedaplatin (**Cat. No. 1576-5**)
- Oxaliplatin (**Cat. No. 1577-25**)
- Piperlongumine (**Cat. No. 1919-10, 50**)
- Paclitaxel (**Cat. No. 1567-25**)
- Pixantrone maleate (**Cat. No. 1958-5, 25**)
- Tamoxifen Citrate (**Cat. No. 1551-1000**)
- Vinorelbine tartrate (**Cat. No. 1957-5, 25**)