Vinblastine . sulfate

Cell cycle blocker

Plant alkaloid that arrests the cell cycle in G2/M phase by blocking mitotic spindle formation. Inhibits normal microtubule asembly and causes aberant 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.

Citations: 16 View Online »

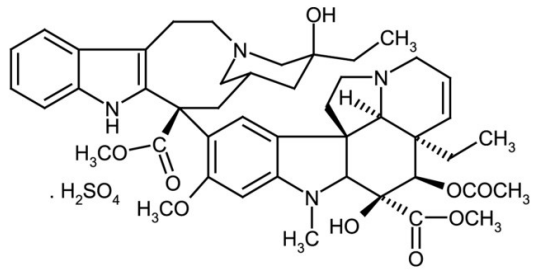
Ordering Information

Order Online »

ALX-350-257-M025	25mg

Manuals, SDS & CofA

View Online »


OH
CH3
N
N
H
N
H
H3CO
C
O
CH3
. H2SO4
H3CO
OCOCH3
N
HO
C
OCH3
H3C
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Vincaleukoblastine . sulfate
Appearance	White to light yellow crystalline powder.
CAS	143-67-9
Formula	$C_{46}H_{58}N_4O_9 \cdot H_2SO_4$
MI	**14:** 9982
MW	909.1
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO, methanol or water (25mg/ml).
Source	Semisynthetic from catharanthine or vindoline.

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