Vincristine . sulfate

Microtubule inhibitor

Plant alkaloid that arrests the cell cycle in G2/M phase by blocking mitotic spindle formation. Depolymerizes microtubules and blocks binding of tubulin to microtubule proteins. Causes aberrant tubulin polymerization. Induces apoptosis. Triggers Raf-1 activation, phosphorylation of Bcl-2 family proteins and induction of p53 expression. Cancer chemotherapeutic agent. Posttranscriptionally downregulates HIF-1α expression.

Citations: 20 View Online »

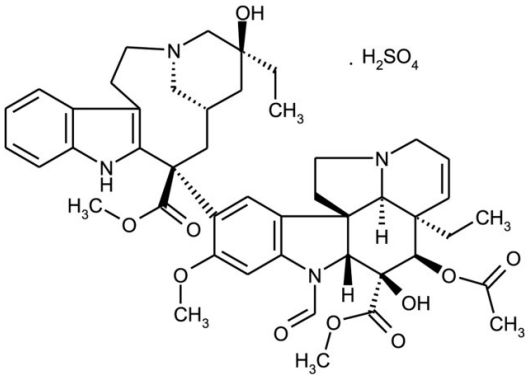
Ordering Information

Order Online »

BML-T117-0025	25mg

Manuals, SDS & CofA

View Online »


OH
N
. H2SO4
CH3
N
H
H3C
O
O
CH3
H
O
O
N
H
OH
O
O
CH3
O
H3C
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	VCR . sulfate, Leukocristine . sulfate
Appearance	White to off-white powder.
CAS	2068-78-2
Couple Target	HIF, Microtubule
Couple Type	Inhibitor
Formula	$C_{46}H_{56}N_4O_{10} \cdot H_2SO_4$
MI	**14:** 9986
MW	825.0 . 98.1
Purity	≥98% TLC
RTECS	OH6340000
Solubility	Soluble in water (25mg/ml) or methanol.
Technical Info / Product Notes	Note: Product is not sterile.

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