

Vinblastine Sulfate

Cat. No. CEI-0563

Lot. No. (See product label)

Introduction

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.

Synonyms Vincaleukoblastine sulfate salt; VLB

Product Information

Appearance White solid

CAS No. 143-67-9

Molecular Formula $C_{46}H_{58}N_4O_9S \cdot H_2SO_4$

Molecular Weight 271.27

Purity >98% by HPLC

Targets MGMT

Solubility DMSO (100 mM)

Storage and Shipping Information

Storage RT

Shipping Conditions RT