

Vinblastine

中文名: Vinblastine

英文名: Vinblastine

CAS 号: 865-21-4

分子式: C₄₆H₅₈N₄O₉

分子量: 810.97

属 性

溶解性 25° C: DMSO 67 mg/mL; Water <1 mg/mL; Ethanol 7 mg/mL

存贮条件 储存温度-20° C

描 述

产品介绍 Vinblastine 抑制微管形成, 抑制 nAChR 活性, IC₅₀ 为 8.9 μM。

备 注 Vinblastine inhibits microtubule formation and supresses nAChR activity with IC₅₀ of 8.9 μM.

生化机理 Vinblastine does not interfere with phrenic nerve stimulation of rat diaphragm musculature in concentrations up to 200 microM. However, in relatively high doses, vinblastine (10-200 microM) produces an increase in baseline tension of diaphragm muscle. This effect is concentration related (EC₅₀, approximately 88 microM), reversible, and independent of phrenic nerve stimulation. The elevation in baseline tension is unaffected by nAChR blockade via d-tubocurarine, but is dependent upon the presence of extracellular calcium. In human Burkitt lymphoma CA46 cells, vinblastine (IC₅₀ values, 1.0 nM). It binds tubulin, thereby inhibiting the assembly of microtubules. It is used to treat certain kinds of cancer, including Hodgkin

别名 Vincalukoblastine, Velban, Velsar; 1H-Indolizino[8,1-cd]carbazole-5-carboxylic acid, 4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-, meth; 长春花碱; Vincalukoblastine, Velban, Velsar; 1H-Indolizino[8,1-cd]carbazole-5-carboxylic

acid,4-(acetyloxy)-3a-ethyl-9-[5-ethyl-1,4,5,6,7,8,9,10-octahydro-5-hydroxy-9-(methoxycarbonyl)-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-3a,4,5,5a,6,11,12,13a-octahydro-5-hydroxy-8-methoxy-6-methyl-,meth

