

Product Name:	K252A
Product Number:	K016
CAS Number:	99570-78-2
Molecular Formula:	$C_{26}H_{19}N_3O_5$
Molecular Weight:	453.5
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>K252A is a staurosporine analogue isolated from a Nocardiosis strain as a potent inhibitor of protein kinase C. K252A exhibits potent antitumor activity but shows no antimicrobial activity in vitro, or in vivo toxicity in rodents. While K252A is a potent inhibitor of Ca^{2+}/calmodulin kinase II, it is also active against other kinases, notably myosin light chain kinase, cAMP-dependent protein kinase (PKA), protein kinase C (PKC) and cGMP-dependent protein kinase (PKG).</p> <p>K252A is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</p>
References:	<p>K-252a, a potent inhibitor of protein kinase C from microbial origin. Kase H. et al. , J. Antibiot. 1986, 39, 1059.</p> <p>The structures of the novel protein kinase C inhibitors K-252a, b, c and d. Yasuzawa T. et al. , J. Antibiot. 1986, 39, 1072.</p>