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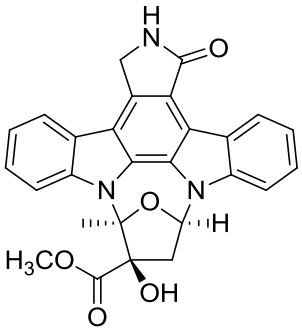
PRODUCT DATA SHEET

K252A

Code No.: **BIA-K1225**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : SF 2370

Specifications

CAS #	:	**99570-78-2**
Molecular Formula	:	**$C_{26}H_{19}N_3O_5$**
Molecular Weight	:	**453.5**
Source	:	***Nocardiopsis* sp.**
Appearance	:	**White solid**
Purity	:	**>98% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

K252A is a staurosporine analogue isolated from a Nocardiopsis 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 Ca2+/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).

References

1. K-252a, a potent inhibitor of protein kinase C from microbial origin. Kase H. et al. , J. Antibiot. 1986, 39, 1059.
2. The structures of the novel protein kinase C inhibitors K-252a, b, c and d. Yasuzawa T. et al. , J. Antibiot. 1986, 39, 1072.

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