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## DATASHEET

K-252b

### Product overview

<b>Name</b>	K-252b
<b>Cat No</b>	HB0352
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>98%
<b>Description</b>	Potent PKC and casein kinase II inhibitor

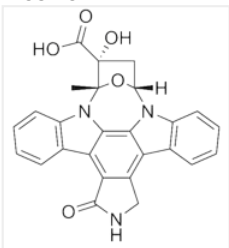
### Biological Data

<b>Biological description</b>	Potent protein kinase C (PKC) and casein kinase II inhibitor (IC <sub>50</sub> = 38.3 nM at PKC). Inhibits neurotrophic factor and nerve growth factor.
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### Solubility & Handling

<b>Solubility overview</b>	Soluble in DMSO (1mg/ml) or DMF (1mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	Staurosporine Aglycone
<b>Molecular Weight</b>	453.45
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>19</sub> N <sub>3</sub> O <sub>5</sub>
<b>CAS Number</b>	99570-78-2
<b>PubChem identifier</b>	9846716
<b>SMILES</b>	CC12C(CC(O1)N3C4=CC=CC=C4C5=C6C(=C7C8=CC=CC=C8N2C7=C53)CNC6=O)(C(=O)O)O

### References

#### K-252b, c and d, potent inhibitors of protein kinase C from microbial origin.

Nakanishi S *et al* (1986) J Antibiot (Tokyo) 39(8)

**PubMedID** [3759658](#)

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