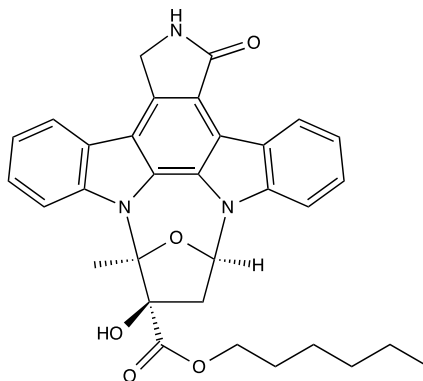


**Catalog # 10-2082**

**KT-5720**

CAS# 108068-98-0

Lot # S101078



Potent selective protein kinase A inhibitor: PKA ( $K_i = 60$  nM). Displays no effect on PKC or PKG ( $K_i > 20$   $\mu$ M)<sup>1</sup>. Inhibits axon branching in cultured embryonic rat hippocampal pyramidal neurons<sup>2</sup>. Cell permeable.

- 1) Kase *et al.* (1987), *K-252 compounds, novel and potent inhibitors of protein kinase C and cyclic nucleotide-dependent protein kinases*; *Biochem. Biophys. Res. Commun.*, **142** 436
- 2) Cabell *et al.* (1993), *Effects of selective inhibition of protein kinase C, cyclic AMP-dependent protein kinase, and Ca(2+)-calmodulin-dependent protein kinase on neurite development in cultured rat hippocampal neurons*; *Int. J. Dev. Neurosci.*, **11** 357

### **PHYSICAL DATA**

Molecular Weight: 537.62  
Molecular Formula: C<sub>32</sub>H<sub>31</sub>N<sub>3</sub>O<sub>5</sub>  
Purity: 98% by TLC  
NMR: (Conforms)  
Physical Description: White or off-white solid  
Storage and Stability: Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**