



LKT Laboratories, Inc.

K252a

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Product Information

Product ID K0021

CAS No. 99533-80-9

Chemical Name

Synonym SF 2370

Formula $C_{27}H_{21}N_3O_5$

Formula Wt. 467.48

Melting Point 262-263 °C

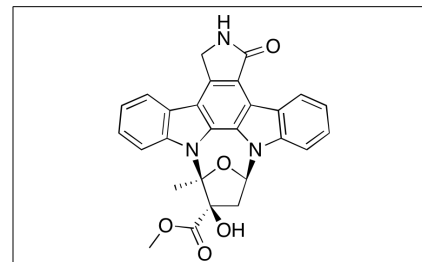
Purity ≥98%

Solubility Readily soluble in chloroform, acetonitrile, acetone, dioxane, tetrahydrofuran, pyridine; soluble in ethanol, methanol, 1-propanol, ethyl acetate and

Store Temp 4 °C

Ship Temp Ambient

Description K252a is an aglycone analog of staurosporine that acts as a protein kinase inhibitor, inhibiting PKC. K252a also inhibits TrkA/B receptors, suppressing activity of neurotrophins such as nerve growth factor (NGF).



Bulk quantities available upon request

Product ID	Size
K0021	100 µg
K0021	1 mg
K0021	5 mg

References El-Hashim AZ, Jaffal SM, Al-Rashidi FT, et al. Nerve growth factor enhances cough via a central mechanism of action. *Pharmacol Res.* 2013 Aug;74:68-77. PMID: 23742790.

Cardenas-Aguayo Mdel C, Kazim SF, Grundke-Iqbal I, et al. Neurogenic and neurotrophic effects of BDNF peptides in mouse hippocampal primary neuronal cell cultures. *PLoS One.* 2013;8(1):e53596. PMID: 23320097.

Sugiya H, Putney JW Jr. Protein kinase C-dependent and -independent mechanisms regulating the parotid substance P receptor as revealed by differential effects of protein kinase C inhibitors. *Biochem J.* 1988 Dec 1;256(2):677-80. PMID: 2464997.

Hashimoto S. K-252a, a potent protein kinase inhibitor, blocks nerve growth factor-induced neurite outgrowth and changes in the phosphorylation of proteins in PC12h cells. *J Cell Biol.* 1988 Oct;107(4):1531-9. PMID: 2844830.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.