LKT Laboratories, Inc.

K252b

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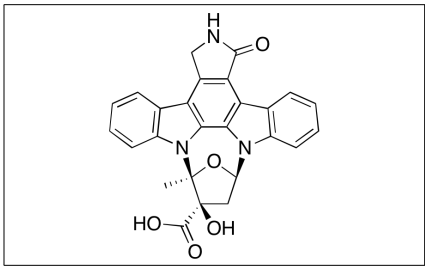
Product Information

Product ID K0022
CAS No. 99570-78-2
Chemical Name

Synonym Protein Kinase Inhibitor K-252B

Formula $C_{26}H_{16}N_3O_5$
Formula Wt. 453.13
Melting Point
Purity ≥98%
Solubility DMSO or Methanol



Bulk quanitites available upon request

Product ID	Size
K0022	100 µg
K0022	1 mg

Store Temp 4°C
Ship Temp Ambient
Description K252b is a cell membrane-impermeable analog of staurosporine that inhibits PKC. K252b inhibits production of hepatocyte growth factor and inhibits synthesis of DNA in vitro. K252b also inhibits various microbial ectoprotein kinases (those which are expressed on membrane surfaces). Additionally, K252b inhibits IgE cross-linking-dependent degranulation in basophils.

References

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Teshima R, Saito Y, Ikebuchi H, et al. Effect of an ectokinase inhibitor, K252b, on degranulation and Ca2+ signals of RBL-2H3 cells and human basophils. J Immunol. 1997 Jul 15;159(2):964-9. PMID: 9218617.

Hogan MV, Pawlowska Z, Yang HA, et al. Surface phosphorylation by ecto-protein kinase C in brain neurons: a target for Alzheimer's beta-amyloid peptides. J Neurochem. 1995 Nov;65(5):2022-30. PMID: 7595486.

Lagoo A, Tseng CK, Sell S. Molecular signals in B cell activation. II. IL-2-mediated signals are required in late G1 for transition to S phase after ionomycin and PMA treatment. Cell Immunol. 1990 May;127(2):497-505. PMID: 2328536.