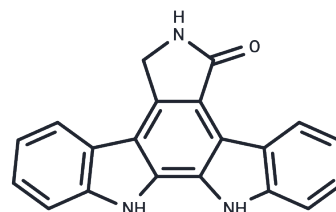


K-252c

Chemical Properties

CAS No. : 85753-43-1
Formula: C₂₀H₁₃N₃O
Molecular Weight: 311.34
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	K-252c is a staurosporine analog isolated from <i>Nocardopsis</i> sp. and is a cell-permeable PKC inhibitor (IC ₅₀ : 2.45 μM). K-252c also inhibits β-lactamase, chymotrypsin, and malate dehydrogenase. K-252c causes apoptosis in human chronic myelogenous leukemia cancer cells.
Targets(IC ₅₀)	PKC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2119 mL	16.0596 mL	32.1192 mL
5 mM	0.6424 mL	3.2119 mL	6.4238 mL
10 mM	0.3212 mL	1.606 mL	3.2119 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Pereira, E.R., et al. Structure-activity relationships in a series of substituted indolocarbazoles: Topoisomerase I and protein kinase C inhibition and antitumoral and antimicrobial properties J. Med. Chem. 39(22), 4471-4477 (1996).

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