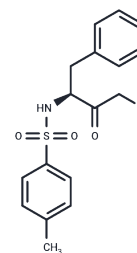


TPCK

Chemical Properties

CAS No. :	402-71-1
Formula:	C ₁₇ H ₁₈ ClNO ₃ S
Molecular Weight:	351.85
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	TPCK is an irreversible inhibitor of chymotrypsin-like proteases that affect cell proliferation, apoptosis, and tumorigenesis
Targets(IC ₅₀)	Proteasome

Solubility Information

Solubility	DMSO: 27.5 mg/mL (78.16 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8421 mL	14.2106 mL	28.4212 mL
5 mM	0.5684 mL	2.8421 mL	5.6842 mL
10 mM	0.2842 mL	1.4211 mL	2.8421 mL
50 mM	0.0568 mL	0.2842 mL	0.5684 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

Rana Anjum , Eunice Pae,et al.TPCK Inhibits AGC Kinases by Direct Activation Loop Adduction at Phenylalanine-Directed Cysteine Residues. FEBS Lett. 2012 Sep 21;586(19):3471-6.

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