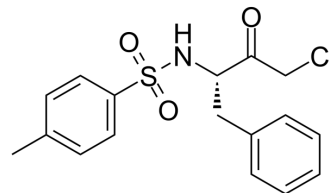


TPCK

Cat. No.:	HY-124379	
CAS No.:	402-71-1	
Molecular Formula:	C ₁₇ H ₁₈ ClNO ₃ S	
Molecular Weight:	351.85	
Target:	Ser/Thr Protease; HPV	
Pathway:	Metabolic Enzyme/Protease; Anti-infection	
Storage:	Powder	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (284.21 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TPCK (L-1-Tosylamido-2-phenylethyl chloromethyl ketone; L-TPCK) is a potent serine protease inhibitor that reacts with the retinoblastoma protein (RB)-binding core of HPV-18 E7 protein and abolish its RB-binding capability. TPCK is able to modify E7 protein in live keratinocytes following its addition to the culture medium^[1].

CUSTOMER VALIDATION

- Int J Biol Macromol. 2022 Nov 30;S0141-8130(22)02836-7.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. H Stöppler, et al. The serine protease inhibitors TLCK and TPCK react with the RB-binding core of HPV-18 E7 protein and abolish its RB-binding capability. *Virology*. 1996 Mar 15;217(2):542-53.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA