Product Name	:	N-alpha-Tosyl-L-lysine chloromethyl ketone hydrochloride
Synonyms	:	N-alpha-Tosyl-L-lysine_chloromethyl_ketone_hydrochloride;N-alpha-Tosyl-L-lysine chloromethyl ketone hydrochloride
Cat No.	:	M26766
CAS Number	:	4272-74-6
Molecular Formula	:	C14H22Cl2N2O3S
Formula Weight	:	369.3
Chemical Name	:	——
Description	:	N-alpha-Tosyl-L-lysine chloromethyl ketone hydrochloride is an inhibitor of trypsin-like protease. N-alpha-Tosyl-L-lysine chloromethyl ketone hydrochloride exhibits an inhibitory effect on IFN-γ activities.(In Vitro):A lower concentration of anti-Fas (10 ng/mL) is used to examine the interaction among the three effectors simultaneously, that is, anti-Fas, TLCK, and IFN-γ. N-alpha-Tosyl-L-lysine chloromethyl ketone hydrochloride (50 μM) exhibits a small decrease in cell viability. Beyond 50 μM, a dose-dependent decrease in cell viability is observed. IFN-γ slightly reduces cell viability on its own. The addition of anti-Fas (10 ng/mL) results in a slight decrease in cell survival, which is enhanced more than additively in the presence of TLCK, most prominently between 50 and 100 μM. Upon addition of both anti-Fas and IFN-γ, a decrease (≈46%) in cell viability is observed. Moreover, the decrease in cell survival is further enhanced by the addition of higher concentrations of TLCK, 25 μM, and more.
Pathway	:	Others
Target	:	Other Targets
Receptor	:	——
Solubility	:	——
SMILES	:	O=S(C1=CC=C(C)C=C1)(N[C@H](C(CCl)=O)CCCCN)=O.Cl
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.Lim B, et al. A Unique Recombinant Fluoroprobe Targeting Activated Platelets Allows In Vivo Detection of Arterial Thrombosis and Pulmonary Embolism Using a Novel Three-Dimensional Fluorescence Emission Computed Tomography (FLECT) Technology. Theranostics. 2017 Feb 26;7(5):1047-1061.