

Product Name : proTAME

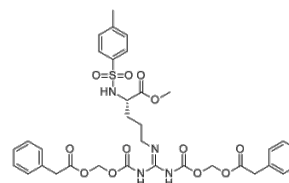
Synonyms : pro-Tosyl-L-Arginine Methyl Ester

Cat No. : M11496

CAS Number : 1362911-19-0

Molecular Formula : C₃₄H₃₈N₄O₁₂S

Formula Weight : 726.80



Chemical Name : 10,12-Dioxo-6,8-diazatetradec-6-enoic acid, 2-[[[(4-methylphenyl)sulfonyl]amino]-9,13-dioxo-14-phenyl-7-[[[(2-phenylacetyl)oxy]methoxy]carbonyl]amino]-, methyl ester, (2S)-

Description : proTAME is a cell permeable prodrug of TAME, which is an anaphase-promoting complex/cyclosome (APC/C) inhibitor that binds to the APC preferentially suppresses APC/C(Cdc20); arrests cells in metaphase without perturbing the spindle, but is dependent on the spindle assembly checkpoint (SAC); efficiently targets osteosarcoma in vitro combined with chemotherapeutic agents.

Pathway : Proteasome/Ubiquitin

Target : E3 Ubiquitin Ligase

Receptor : E3 Ubiquitin Ligase

Solubility : —

SMILES : O=C(OCOC(=O)N=C(NCCCC[C@H](NS(C1=CC=C(C)C=C1)(=O)=O)C(OC)=O)NC(OCOC(CC2=CC=CC=C2)=O)=O)CC3=CC=CC=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zeng X, et al. Cancer Cell. 2010 Oct 19;18(4):382-95.| 2. Giovinazzi S, et al. Cell Cycle. 2013 Aug 15;12(16):2598-607.| 3. Hu K, et al. Oncotarget. 2014 May 30;5(10):3088-100.