TAME

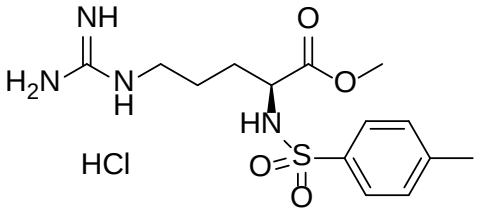
N^2-[(4-Methylphenyl)sulfonyl]-L-arginine methyl ester hydrochloride

Cat. # SI9840

Background: Inhibits the ubiquitin ligase anaphase-promoting complex/cyclosome (APC/C) by inhibiting binding and activation by the APC activators Cdc20 and Cdh1. TAME inhibits cyclin proteolysis in Xenopus extracts (IC_{50}=12µM) and inhibits Cdc20 association with APC at 200µM. It stabilizes cyclin B1 by prematurely terminating ubiquitination. Substrate for trypsin, thrombin, plasmin, and other proteases.

Product Information:

CAS No.	1784-03-8
Purity:	>98% (TLC); NMR (Conforms)
Molecular Weight:	378.9
Physical State:	White Powder
Quantity:	100 mg
Solubility:	May be dissolved in DMSO (35 mg/ml); or water (35 mg/ml)
Storage:	Store desiccated as supplied at ambient temperature for up to 1 year. Store solutions at -20°C for up to 3 months.



Formula: $C_{14}H_{22}N_4O_4S \cdot HCl$

References

1. Zeng X. *et al.* Pharmacologic Inhibition of the Anaphase-Promoting Complex Induces A Spindle Checkpoint-Dependent Mitotic Arrest in the Absence of Spindle Damage. *Cancer Cell* 2010 **18**:382
2. Zeng X. *et al.* An APC/C inhibitor stabilizes cyclin B1 by prematurely terminating ubiquitination. *Nat. Chem. Biol.* 2012 **8**:383