

Product Information

Serine protease inhibitor AAF-CMK, Purity ≥98%

Cat. No.: X24-07-ZQ766

Size: 25 mg; 50 mg; 100 mg

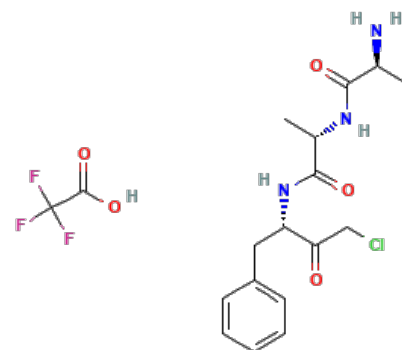
CAS Number: 184901-82-4

Compound CID: 73438884

Synonym: 184901-82-4; Serine protease inhibitor; Tripeptidyl Peptidase Inhibitor II N-

Ala-Ala-Phe-CMK

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AAF-CMK is a molecule that plays a crucial role in regulating various physiological processes by inhibiting the activity of serine proteases.
Molecular Weight	453.8
Molecular Formula	C ₁₆ H ₂₂ ClN ₃ O ₃ .CF ₃ COOH
IUPAC Name	(2S)-2-amino-N-[(2S)-1-[[[(2S)-4-chloro-3-oxo-1-phenylbutan-2-yl]amino]-1-oxopropan-2-yl]propanamide;2,2,2-trifluoroacetic acid
InChI	InChI=1S/C16H22ClN3O3.C2HF3O2/c1-10(18)15(22)19-11(2)16(23)20-13(14(21)9-17)8-12-6-4-3-5-7-12;3-2(4,5)1(6)7/h3-7,10-11,13H,8-9,18H2,1-2H3,(H,19,22)(H,20,23);(H,6,7)/t10-,11-,13-;/m0./s1
InChI Key	ZFZXFWAYCYJFIZ-SQRKDXEHS-A-N
Canonical SMILES	CC(C(=O)NC(C)C(=O)NC(CC1=CC=CC=C1)C(=O)CCl)N.C(=O)(C(F)(F)F)O
Isomeric SMILES	C[C@@H](C(=O)N[C@@H](C)C(=O)N[C@@H](CC1=CC=CC=C1)C(=O)CCl)N.C(=O)(C(F)(F)F)O
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	AAF-CMK is a serine protease inhibitor employed in research to block protease activity, aiding in the study of cellular processes like apoptosis.
Storage	Store at -20°C, and keep desiccated.

