Product Information

AAF-CMK (trifluoroacetate salt)

Item No. 14461

CAS Registry No.: 184901-82-4
Formal Name: L-alanyl-N-[(1S)-3-chloro-2-oxo-1-(phenylmethyl)propyl]-L-alaninamide, mono(trifluoroacetate)
Synonyms: N-Ala-Ala-Phe-CMK, Tripeptidyl Peptidase Inhibitor II
MF: C_{16}H_{22}ClN_{3}O_{3} • CF_{3}COOH
FW: 453.8
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures
For long term storage, we suggest that AAF-CMK (trifluoroacetate salt) be stored as supplied at -20°C. It should be stable for at least two years.

AAF-CMK (trifluoroacetate salt) is supplied as a crystalline solid. A stock solution may be made by dissolving the AAF-CMK (trifluoroacetate salt) in the solvent of choice. AAF-CMK (trifluoroacetate salt) is soluble in water at a concentration of approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Tripeptidyl peptidase II (TPPII) is a serine peptidase of the subtilisin-type which removes tripeptides from the free NH2 terminus of oligopeptides.1 AAF-CMK is an irreversible inhibitor of TPPII commonly used at 10-100 µM.2-4 It does not significantly interfere with the chymotrypsin-like activity of the proteasome. AAF-CMK also inhibits bleomycin hydrolase and puromycin-sensitive aminopeptidase when used at 50 µM.5

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/14461