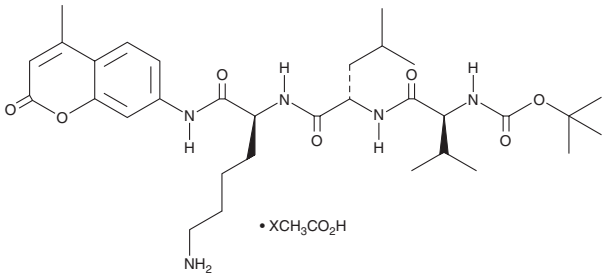
PRODUCT INFORMATION

Boc-Val-Leu-Lys-AMC (acetate)

Item No. 46555

Formal Name:	*tert*-butyl ((S)-1-(((S)-1-(((S)-6-amino-1-((4-methyl-2-oxo-2H-chromen-7-yl)amino)-1-oxohexan-2-yl)amino)-4-methyl-1-oxopentan-2-yl)amino)-3-methyl-1-oxobutan-2-yl)carbamate, acetate
Synonyms:	Boc-Val-Leu-Lys-MCA, Boc-Val-Leu-Lys-7-amino-4-Methylcoumarin
MF:	$C_{32}H_{49}N_5O_7 \bullet XC_2H_4O_2$
FW:	615.8
Purity:	≥98%
Ex./Em. MAX:	340-360/440-460 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Boc-Val-Leu-Lys-AMC (acetate) is supplied as a solid. A stock solution may be made by dissolving the Boc-Val-Leu-Lys-AMC (acetate) in the solvent of choice, which should be purged with an inert gas. Boc-Val-Leu-Lys-AMC (acetate) is soluble (≥10 mg/ml) in ethanol. Boc-Val-Leu-Lys-AMC (acetate) is sparingly soluble (1-10 mg/ml) in DMSO.

Description

Boc-Val-Leu-Lys-AMC is a fluorogenic substrate for plasmin.[1] Upon enzymatic cleavage by plasmin, 7-amino-4-methylcoumarin (AMC) is released and its fluorescence can be used to quantify plasmin activity. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.

Reference

1. Kato, H., Adachi, N., Ohno, Y., *et al.* New fluorogenic peptide substrates for plasmin. *J. Biochem.* **88(1)**, 183-190 (1980).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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