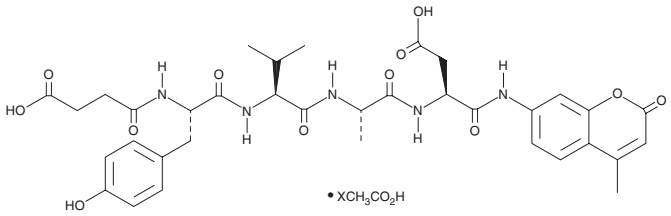
PRODUCT INFORMATION

Suc-YVAD-AMC (acetate)

Item No. 27138

Formal Name:	(3S,6S,9S,12S)-12-(4-hydroxybenzyl)-9-isopropyl-6-methyl-3-((4-methyl-2-oxo-2H-chromen-7-yl)carbamoyl)-5,8,11,14-tetraoxo-4,7,10,13-tetraazaheptadecanedioic acid, acetate
Synonyms:	Suc-Tyr-Val-Ala-Asp-AMC, Suc-Tyr-Val-Ala-Asp-7-amino-4-methylcoumarin, Suc-YVAD-NH-Mec
MF:	$C_{35}H_{41}N_5O_{12} \bullet XC_2H4O_2$
FW:	723.7
Purity:	≥95%
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

Suc-YVAD-AMC (acetate) is supplied as a solid. A stock solution may be made by dissolving the suc-YVAD-AMC (acetate) in the solvent of choice, which should be purged with an inert gas. Suc-YVAD-AMC (acetate) is soluble in the organic solvent formic acid at a concentration of approximately 1 mg/ml.

Description

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

Reference

1. Chakravarthy, B.R., Walker, T., Rasquinha, I., *et al.* Activation of DNA-dependent protein kinase may play a role in apoptosis of human neuroblastoma cells. *J. Neurochem.* **72(3)**, 933-942 (1999).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM