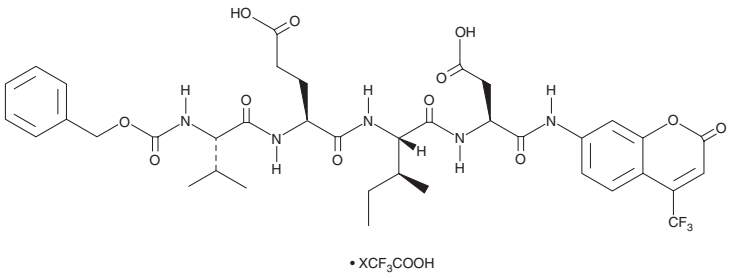
PRODUCT INFORMATION

Z-VEID-AFC (trifluoroacetate salt)

Item No. 27146

Formal Name:	N-[(phenylmethoxy)carbonyl]-L-valyl-L-α-glutamyl-L-isoleucyl-N-[2-oxo-4-(trifluoromethyl)-2H-1-benzopyran-7-yl]-L-α-asparagine, trifluoroacetate salt
Synonyms:	Z-Val-Glu-Ile-Asp-AFC, Z-Val-Glu-Ile-Asp-7-amino-4-trifluormethylcoumarin
MF:	$C_{38}H_{44}F_3N_5O_{12} \bullet XCF_3COOH$
FW:	819.8
Purity:	≥95%
Ex./Em. Max:	400/505 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

Z-VEID-AFC (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the Z-VEID-AFC (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. Z-VEID-AFC (trifluoroacetate salt) is soluble in the organic solvent DMSO at a concentration of approximately 1 mg/ml.

Description

Z-VEID-AFC is a fluorogenic substrate for caspase-6.[1] Upon enzymatic cleavage by caspase-6, 7-amino-4-trifluoromethylcoumarin (AFC) is released and its fluorescence can be used to quantify caspase-6 activity. AFC displays excitation/emission maxima of 400/505 nm, respectively.

Reference

1. Li, L., Prevette, D., Oppenheim, R.W., *et al.* Involvement of specific caspases in motoneuron cell death *in vivo* and *in vitro* following trophic factor deprivation. *Mol. Cell Neurosci.* **12(3),** 157-167 (1998).

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