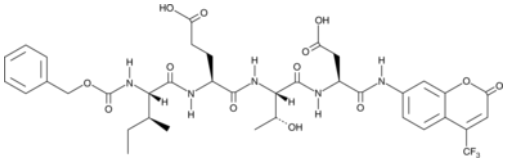
Product Data Sheet

Product Name: Z-IETD-AFC
Cat. No.: GC45181

Chemical Properties

Cas. No.	219138-02-0		
SMILES	OC(C[C@H](NC([C@](NC([C@@H](NC([C@@]([C@@H](C)CC)([H])NC(OCC1=CC=CC=C1)=O)=O)CCC(O)=O)=O)([H])[C@@H](C)O)=O)C(NC(C=C2O3)=CC=C2C(C(F)(F)F)=CC3=O)=O)=O		
Formula	C37H42F3N5O13	M.Wt	821.8
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Z-IETD-AFC is a fluorogenic substrate for caspase-8 and granzyme B. Upon enzymatic cleavage by caspase-8 or granzyme B, 7-amino-4-trifluoromethylcoumarin (AFC) is released and its fluorescence can be used to quantify caspase-8 or granzyme B activity. AFC displays excitation/emission maxima of 380/500 nm, respectively.

Caution: Product has not been fully validated for medical applications. For research use only.
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