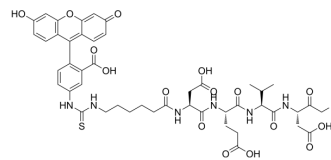


## FITC-C6-DEVD-FMK

Cat. No.:	HY-D1432
Molecular Formula:	C <sub>46</sub> H <sub>51</sub> FN <sub>6</sub> O <sub>16</sub> S
Molecular Weight:	994.99
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 17.91 mg/mL (18.00 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0050 mL	5.0252 mL	10.0504 mL
	5 mM	0.2010 mL	1.0050 mL	2.0101 mL
	10 mM	0.1005 mL	0.5025 mL	1.0050 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

FITC-C6-DEVD-FMK, a fluorescently labeled caspase-3 inhibitor, can be used for detection of active caspase-3 in mammalian cells undergoing apoptosis. FITC-C6-DEVD-FMK provides a convenient means for sensitive detection of activated caspase-3 in living cells. Z-DEVD-FMK is a specific caspase-3 inhibitor<sup>[1]</sup>.

### REFERENCES

[1]. Kanthasamy AG, et al. A novel peptide inhibitor targeted to caspase-3 cleavage site of a proapoptotic kinase protein kinase C delta (PKCdelta) protects against dopaminergic neuronal degeneration in Parkinson's disease models. *Free Radic Biol Med.* 2006 Nov

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

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