SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Ac-IETD-AFC

Cat. No.: HY-P1169

CAS No.: 211990-57-7

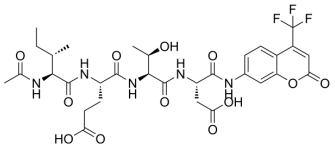
Molecular Formula: $C_{31}H_{38}F_3N_5O_{12}$

Molecular Weight: 729.65

Target: Caspase

Pathway: Apoptosis

Storage: Sealed storage, away from moisture and light
Powder -80°C 2 years
-20°C 1 year
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (171.32 mM; Need ultrasonic)
H_2O : < 0.1 mg/mL (ultrasonic) (insoluble)

Preparing Stock Solutions

Mass / Solvent / Concentration	1 mg	5 mg	10 mg
1 mM	1.3705 mL	6.8526 mL	13.7052 mL
5 mM	0.2741 mL	1.3705 mL	2.7410 mL
10 mM	0.1371 mL	0.6853 mL	1.3705 mL

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

BIOLOGICAL ACTIVITY

Description Ac-IETD-AFC is a fluorogenic substrate of caspase-8, caspase-3, caspase-10, and granzyme B[1].

REFERENCES

[1]. [1]Kazimierz Weglarczyk, et al. Caspase-8 activation precedes alterations of mitochondrial membrane potential during monocyte apoptosis induced by phagocytosis and killing of Staphylococcus aureus. Infect Immun. 2004 May;72(5):2590-7.

[2]. Przemysław Reszka, et al. Synthesis, enzymatic evaluation, and docking studies of fluorogenic caspase 8 tetrapeptide substrates. ChemMedChem. 2010 Jan;5(1):103-17.

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

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