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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

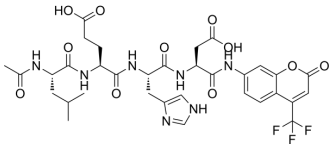
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Ac-LEHD-AFC

Cat. No.:	HY-P1093
CAS No.:	210345-03-2
Molecular Formula:	$C_{33}H_{38}F_3N_7O_{11}$
Molecular Weight:	765.69
Target:	Caspase
Pathway:	Apoptosis
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (130.60 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.3060 mL	6.5301 mL	13.0601 mL
	5 mM	0.2612 mL	1.3060 mL	2.6120 mL
	10 mM	0.1306 mL	0.6530 mL	1.3060 mL

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

BIOLOGICAL ACTIVITY

Description

Ac-LEHD-AFC is a fluorescent substrate for caspase-9, can be used to assess the activity of caspase[1].

IC_{50} & Target

Caspase-9[1]

In Vitro

Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).

The assessment of the caspase activity by fluorogenic substrate assay[1]:

1. Preparation of cell lysis buffer: 1 % Nonidet P-40, NaCl 200 mM, Tris/HCl 20 mM, pH 7.4, Leupeptin 10 mg/L, Aprotinin (HY-P0017) (0.27 kU/L) and 100 mM PMSF (HY-B0496) .
2. Incubate the lysis buffer (25 mg of total protein) with 50 mmol/L of AC-DEVD-AMC (HY-P1003) (caspase-3), AC-VEID-AFC (caspase-8) or AC-LEHD-AFC (caspase-9) in the buffer (HEPES 10 mM, pH 7.4, containing Mannitol 220 mM, Sucrose 68 mM, NaCl 2 mM, KH_2PO_4 2.5 mM, EGTA 0.5 mM, $MgCl_2$ 2 mM, Pyruvate 5 mM, PMSF 0.1 mM, and Dithiothreitol 1 mM).
3. Assess the caspase activity by measuring fluorescent 7-amino-4-methylcoumarin released for 1 h at a 2-min intervals by a spectrofluorometer.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chae HJ, et al. Je-chun-jun induced apoptosis of human cervical carcinoma HeLa cells. Acta Pharmacol Sin. 2004 Oct;25(10):1372-9.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA