



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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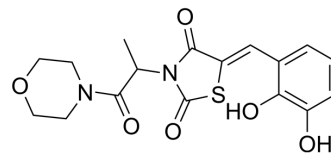
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FB49

Cat. No.:	HY-156278		
Molecular Formula:	C ₁₇ H ₁₈ N ₂ O ₆ S		
Molecular Weight:	378.4		
Target:	Apoptosis; Autophagy		
Pathway:	Apoptosis; Autophagy		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (264.27 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6427 mL	13.2135 mL	26.4271 mL	
5 mM	0.5285 mL	2.6427 mL	5.2854 mL	
10 mM	0.2643 mL	1.3214 mL	2.6427 mL	

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

BIOLOGICAL ACTIVITY

Description

FB49 is a highly selective inhibitor of Bcl-2-associated athanogene 3 (BAG3), with the K_i of 45 μM. FB49 inhibits the cell growth in human tumoral cells, but has no toxicity in human peripheral mononuclear cells. FB49 block cell cycle in G1 phase and to induce apoptosis as well as autophagy in medulloblastoma HD-MB03 treated cells^[1].

REFERENCES

[1]. Budassi F, et al. Design, synthesis and biological evaluation of novel 2,4-thiazolidinedione derivatives able to target the human BAG3 protein [published online ahead of print, 2023 Sep 22]. Eur J Med Chem. 2023;261:115824.

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

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