



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

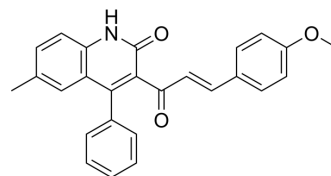
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Ceranib1

Cat. No.:	HY-103359		
CAS No.:	328076-61-5		
Molecular Formula:	C ₂₆ H ₂₁ NO ₃		
Molecular Weight:	395.45		
Target:	Ceramidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (252.88 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5288 mL	12.6438 mL	25.2876 mL
		5 mM	0.5058 mL	2.5288 mL	5.0575 mL
10 mM		0.2529 mL	1.2644 mL	2.5288 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.32 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.32 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Ceranib1 is a ceramidase inhibitor. Ceranib1 inhibits ceramidase activity toward an exogenous ceramide analog, induces the accumulation of multiple ceramide species, decreases levels of sphingosine and S1P. Ceranib1 inhibits the proliferation of ovarian cancer cells ^[1] .
IC₅₀ & Target	ceramidase ^[1]
In Vitro	Ceranib1 produces a dose-dependent decrease in ceramidase activity, with 50% inhibition at 55 and 28 μM in SKOV3 cells ^[1] . Ceranib1 (24 hours) does not cause significant acute cytotoxicity at concentrations up to at least those used in the ceramidase assay in SKOV3 cells ^[1] . Ceranib1 prevents the hydrolysis of endogenous ceramide species and reduces intracellular sphingosine and S1P ^[1] .

Ceranib1 (10 nM-10 μ M; 72 hours) exhibits antiproliferative activity for SKOV3 cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Cell Proliferation Assay^[1]

Cell Line:	SKOV3 cells
Concentration:	10 nM-10 μ M (varying concentrations)
Incubation Time:	72 hours
Result:	Inhibited cell proliferation with IC ₅₀ values of 3.9 \pm 0.3 μ M.

REFERENCES

[1]. Draper JM, et al. Discovery and evaluation of inhibitors of human ceramidase. Mol Cancer Ther. 2011 Nov;10(11):2052-61.

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

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