



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

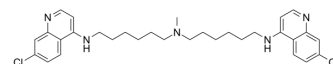
mail@szabo-scandic.com

www.szabo-scandic.com

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

DC661

Cat. No.:	HY-111621
CAS No.:	1872387-43-3
Molecular Formula:	C ₃₁ H ₃₉ Cl ₂ N ₅
Molecular Weight:	552.58
Target:	Autophagy; Autophagy; Apoptosis
Pathway:	Autophagy; Apoptosis
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (113.11 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.8097 mL	9.0485 mL	18.0969 mL
		5 mM	0.3619 mL	1.8097 mL	3.6194 mL
		10 mM	0.1810 mL	0.9048 mL	1.8097 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.76 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	DC661 is a potent palmitoyl-protein thioesterase 1 (PPT1) inhibitor, inhibits autophagy, and acts as an anti-lysosomal agent. Anti-cancer activity ^[1] .
IC ₅₀ & Target	PPT1, autophagy ^[1]
In Vitro	DC661 (0.1 and 10 μM) accumulates autophagic vesicles in melanoma cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- Nat Biotechnol. 2022 Dec;40(12):1834-1844.
 - Mol Cell. 2024 Mar 14;S1097-2765(24)00172-2.
 - J Immunother Cancer. 2023 Jun;11(6):e006655.
 - Biosci Rep. 2023 Apr 27;BSR20230067.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Rebecca VW, et al. PPT1 Promotes Tumor Growth and Is the Molecular Target of Chloroquine Derivatives in Cancer. *ancer Discov.* 2019 Feb;9(2):220-229.

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