



# 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

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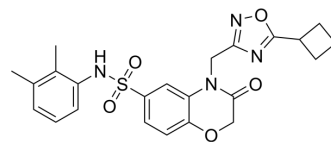
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## Beclin1-ATG14L interaction inhibitor 1

Cat. No.:	HY-156237		
CAS No.:	1243063-73-1		
Molecular Formula:	C <sub>23</sub> H <sub>24</sub> N <sub>4</sub> O <sub>5</sub> S		
Molecular Weight:	468.53		
Target:	Autophagy		
Pathway:	Autophagy		
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 (213.43 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1343 mL	10.6717 mL	21.3434 mL
	5 mM	0.4269 mL	2.1343 mL	4.2687 mL
	10 mM	0.2134 mL	1.0672 mL	2.1343 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Beclin1-ATG14L interaction inhibitor 1 (com 19) is a selective Beclin1-ATG14L interaction inhibitor. This protein interaction mechanism specifically targets complex I of the lipid kinase VPS34 without affecting complex II. Because the integrity of VPS34 complex II depends on the Beclin 1-UVRAG interaction. Beclin1-ATG14L interaction inhibitor 1 can disrupt the formation of VPS34 complex I and inhibit autophagy, but does not affect complex II-related vesicle transport<sup>[1]</sup>.

### REFERENCES

[1]. Pavlinov I, et al. Beclin 1-ATG14L Protein-Protein Interaction Inhibitor Selectively Inhibits Autophagy through Disruption of VPS34 Complex I. J Am Chem Soc. 2020 May 6;142(18):8174-8182.

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

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