



# 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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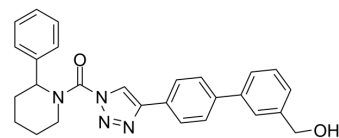
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## KT182

Cat. No.:	HY-120177		
CAS No.:	1402612-62-7		
Molecular Formula:	C <sub>27</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	438.52		
Target:	MAGL		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (228.04 mM; Need ultrasonic)  
 Ethanol : 11 mg/mL (25.08 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2804 mL	11.4020 mL	22.8040 mL
	5 mM	0.4561 mL	2.2804 mL	4.5608 mL
	10 mM	0.2280 mL	1.1402 mL	2.2804 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (5.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.70 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

KT182 is a potent and selective inhibitor of α/β-hydrolase domain containing 6 (ABHD6), with an IC<sub>50</sub> of 0.24 nM in Neuro2A cells<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.24 nM (ABHD6 in Neuro2A cells)<sup>[1]</sup>.

### REFERENCES

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[1]. Hsu KL, et al. Discovery and optimization of piperidyl-1,2,3-triazole ureas as potent, selective, and in vivo-active inhibitors of  $\alpha/\beta$ -hydrolase domain containing 6 (ABHD6). J Med Chem. 2013 Nov 14;56(21):8270-9.

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

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