



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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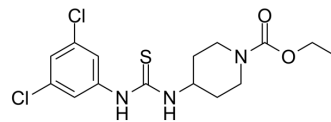
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TT01001

Cat. No.:	HY-114520
CAS No.:	1022367-69-6
Molecular Formula:	C ₁₅ H ₁₉ Cl ₂ N ₃ O ₂ S
Molecular Weight:	376.3
Target:	Mitochondrial Metabolism; Apoptosis; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Apoptosis; Immunology/Inflammation; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (332.18 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6575 mL	13.2873 mL	26.5745 mL	
5 mM	0.5315 mL	2.6575 mL	5.3149 mL	
10 mM	0.2657 mL	1.3287 mL	2.6575 mL	

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

BIOLOGICAL ACTIVITY

Description

TT01001 is a potent and orally active mitoNEET ligand. TT01001 reduces oxidative stress injury and neuronal apoptosis by improving mitochondrial dysfunction. TT01001 improves type II diabetes without causing weight gain^{[1][2]}.

REFERENCES

[1]. Takehiro Takahashi, et al. A novel MitoNEET ligand, TT01001, improves diabetes and ameliorates mitochondrial function in db/db mice. *J Pharmacol Exp Ther.* 2015, 352, 2.

[2]. Shi G, et al. TT01001 attenuates oxidative stress and neuronal apoptosis by preventing mitoNEET-mediated mitochondrial dysfunction after subarachnoid hemorrhage in rats. *Neuroreport.* 2020;31(11):845-850.

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

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