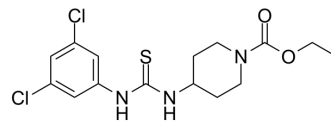


TT01001

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



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.

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