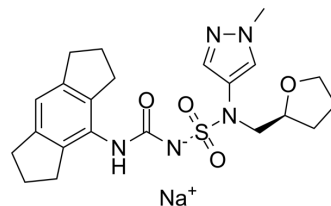


NT-0249

Cat. No.:	HY-161297
CAS No.:	2763617-39-4
Molecular Formula:	C ₂₂ H ₂₈ N ₅ NaO ₄ S
Molecular Weight:	481.54
Target:	NOD-like Receptor (NLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NT-0249 is an orally active NLRP3 inhibitor. NT-0249 has anti-inflammatory activity ^[1]	
IC₅₀ & Target	NLRP3	
In Vivo	NT-0249 (100 mg/kg, orally, 3 times a day for 28 days) reduces systemic inflammation and astrocyte formation in mice in a pre-established obesity state ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Diet-Induced Obesity (DIO) in mice ^[1]
	Dosage:	100 mg/kg
	Administration:	p.o. 3 times a day for 28 days
	Result:	Reduced inflammatory biomarkers sVCAM-1 and suPAR

REFERENCES

[1]. Thornton P, et al. Reversal of High Fat Diet-Induced Obesity, Systemic Inflammation, and Astroglialosis by the NLRP3 Inflammasome Inhibitors NT-0249 and NT-0796. *J Pharmacol Exp Ther.* 2024 Feb 15;388(3):813-826.

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