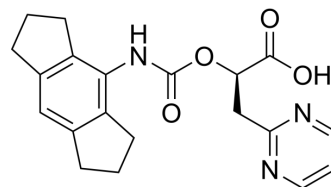


NDT-19795

Cat. No.:	HY-158024
CAS No.:	2272917-12-9
Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₄
Molecular Weight:	367.4
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	NDT-19795 is an effective inhibitor of the NLRP3 inflammasome with an IC ₅₀ value of 66 nM in the PBMC method and 4.7 μM in the WB method. NDT-19795 is a carboxylic acid-active substance that can be converted from NT-0796 (HY-156438) within cells. NDT-19795 can be used for the study of neurological diseases ^[1] .
IC₅₀ & Target	IC ₅₀ : 66 nM (NLRP3 inflammasome, PBMC) ^[1] . IC ₅₀ : 4.7 μM (NLRP3 inflammasome; WB) ^[1] .
In Vivo	NDT-19795 (3 mg/kg; i.v.; single dose) exhibits a brain-to-blood ratio of 0.07 in C57BL/6 mice, indicating low permeability through the blood-brain barrier ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Harrison D, et al. Discovery of Clinical Candidate NT-0796, a Brain-Penetrant and Highly Potent NLRP3 Inflammasome Inhibitor for Neuroinflammatory Disorders. *J Med Chem.* 2023;66(21):14897-14911.

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

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