

Product Datasheet

NT-0796

Catalog No. **BP-02258** · CAS **2272917-13-0** · Form **free base** · Physical state **other** · Color **White to off-white** · Version **1.0** · Revision **2026-09-04**

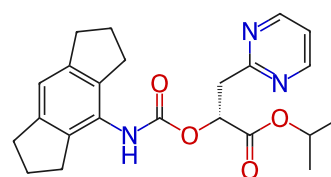
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Target NOD-like Receptor (NLR); Interleukin Related	Research area Neurological Disease
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Molecular formula **C₂₃H₂₇N₃O₄**

Molecular weight **409.4782**

STRUCTURE



DESCRIPTION

NT-0796 is a selective and CNS-penetrant NLRP3 inflammasome inhibitor with an IC₅₀ of 0.32 nM in PBMC assay.

BIOLOGICAL ACTIVITY

NT-0796 is a selective and CNS-penetrant NLRP3 inflammasome inhibitor with an IC₅₀ of 0.32 nM in PBMC assay.

NT-0796 is an isopropyl ester that undergoes intracellular conversion to NDT-19795, the carboxylic acid active species. NT-0796 has the potential for neuroinflammatory diseases research.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1]. David Harrison, et al. Discovery of Clinical Candidate NT-0796, a Brain-Penetrant and Highly Potent NLRP3 Inflammasome Inhibitor for Neuroinflammatory Disorders. J Med Chem. 2023 Oct 24.
- [2]. Thornton P, et al. Reversal of High Fat Diet-Induced Obesity, Systemic Inflammation, and Astrogliosis by the NLRP3 Inflammasome Inhibitors NT-0249 and NT-0796. J Pharmacol Exp Ther. 2024 Feb 15;388(3):813-826.
- [3]. Smolak P, et al. Target Cell Activation of a Structurally Novel NOD-Like Receptor Pyrin Domain-Containing Protein 3 Inhibitor NT-0796 Enhances Potency. J Pharmacol Exp Ther. 2024 Feb 15;388(3):798-812.
- [4]. Doedens JR, et al. The ester-containing prodrug NT-0796 enhances delivery of the NLRP3 inflammasome inhibitor NDT-19795 to monocytic cells expressing carboxylesterase-1. Biochem Pharmacol. 2024 Sep;227:116455.

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Lot CoA and SDS are separate documents.