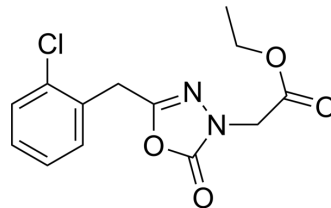


INF200

Cat. No.:	HY-155517
Molecular Formula:	C ₁₃ H ₁₃ ClN ₂ O ₄
Molecular Weight:	296.71
Target:	NOD-like Receptor (NLR); Pyroptosis
Pathway:	Immunology/Inflammation; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	INF200 (compound 5) is a sulfonylurea-based inhibitor of NLRP3 and NLRP3-mediated pyroptosis. INF200 has beneficial cardiometabolic effects in rat model of high-fat diet (HFD)-induced metaflammation and shows anti-inflammatory activity to (10 μM) decreases IL-1β release in human macrophages. INF200 improves glucose and lipid profiles and attenuates systemic inflammation and biomarkers of cardiac dysfunction (particularly BNP). INF200 also improves myocardial damage-dependent ischemia/reperfusion injury (IRI) in hemodynamic evaluation ^[1] .
IC ₅₀ & Target	NLRP3 ^[1]

REFERENCES

[1]. Gastaldi S, et al. Discovery of a novel 1,3,4-oxadiazol-2-one-based NLRP3 inhibitor as a pharmacological agent to mitigate cardiac and metabolic complications in an experimental model of diet-induced metaflammation. *Eur J Med Chem.* 2023 Sep 5;257:115542.

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

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