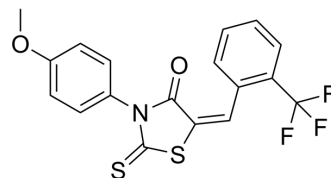


CSC-6

Cat. No.:	HY-161072
Molecular Formula:	C ₁₈ H ₁₂ F ₃ NO ₂ S ₂
Molecular Weight:	395.42
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	CSC-6 is a NLRP3 inhibitor. CSC-6 can significantly inhibit IL-1 β secreted by PMATHP-1 cells with an IC ₅₀ value of 2.3 μ M. CSC-6 specifically binds NLRP3 and inhibits NLRP3 activation by blocking ASC oligomerization during NLRP3 assembly. CSC-6 effectively reduces the symptoms of NLRP3 overactivation-mediated sepsis and gout in mouse models ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.3 μ M (inhibit IL-1 β secreted by PMATHP-1 cells) ^[1]

REFERENCES

[1]. Shi C, et al. Discovery of NLRP3 inhibitors using machine learning: Identification of a hit compound to treat NLRP3 activation-driven diseases. Eur J Med Chem. 2023 Nov 15;260:115784.

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

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