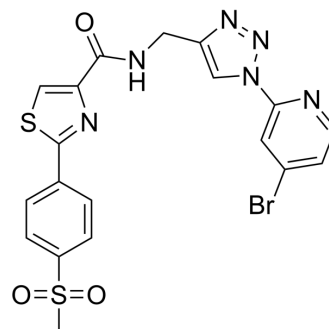


P2X7 receptor antagonist-4

Cat. No.:	HY-155194
Molecular Formula:	C ₁₉ H ₁₅ BrN ₆ O ₃ S ₂
Molecular Weight:	519.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	P2X7 receptor antagonist-4 (Compound 14a) is a P2X7R antagonist. The P2X7 receptor antagonist-4 values of P2X7R IC ₅₀ in human and mouse are 64.7 and 10.1 nM, respectively. P2X7 receptor antagonist-4 can inhibit the activation of NLRP3 inflammasome, thereby inhibiting the expression of caspase-1, gasdermin D, IL-1β and IL-18 in the damaged kidney of sepsis mice ^[1] .
IC₅₀ & Target	P2X7 Receptor Antagonist, exerted a therapeutic potential against septic acute kidney injury (AKI). human and mouse P2X7R IC ₅₀ values of 64.7 and 10.1 nM.; https://pubs.acs.org/doi/10.1021/acs.jmedchem.3c00837 (Compd 14a); 20230901

REFERENCES

[1]. Zhang R, et al. Design, Synthesis, and Biological Evaluation of Novel P2X7 Receptor Antagonists for the Treatment of Septic Acute Kidney Injury. J Med Chem. 2023 Aug 24;66(16):11365-11389.

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

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