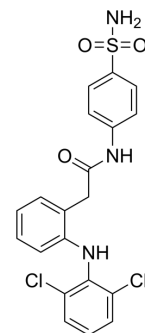


Urease-IN-10

Cat. No.:	HY-149775
CAS No.:	1012205-70-7
Molecular Formula:	C ₂₀ H ₁₇ Cl ₂ N ₃ O ₃ S
Molecular Weight:	450.34
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Urease-IN-10 (Conjugate 4) is a competitive Urease inhibitor, with an IC₅₀ of 3.59±0.07 μM and a K_i of 7.45 μM. Urease-IN-10 is a conjugate consisting of Diclofenac (HY-15036) and Sulfanilamide (HY-B0242). Diclofenac-sulfanilamide inhibits the Jack bean urease (JBU) in a competitive manner^[1].

REFERENCES

[1]. Ahmad S, et al. Exploring the Potential of New Benzamide-Acetamide Pharmacophore Containing Sulfonamide as Urease Inhibitors: Structure–Activity Relationship, Kinetics Mechanism, and In Silico Studies. 2023 Nov 22.

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

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