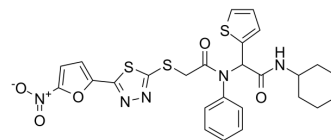


Urease-IN-2

Cat. No.:	HY-115939
Molecular Formula:	C ₂₆ H ₂₅ N ₅ O ₅ S ₃
Molecular Weight:	583.7
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Urease-IN-2 (compound 8g) is a non-competitive urease inhibitor with an IC₅₀ of 0.94 μM and a K_i of 1.6 μM. Urease-IN-2 inhibits the Jack bean urease (JBU) in a non-competitive manner^[1].

REFERENCES

[1]. Mehdi Asadi, et al. Synthesis and in vitro urease inhibitory activity of 5-nitrofuran-2-yl-thiadiazole linked to different cyclohexyl-2-(phenylamino)acetamides, in silico and kinetic studies. *Bioorg Chem.* 2022 Jan 17;120:105592.

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

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