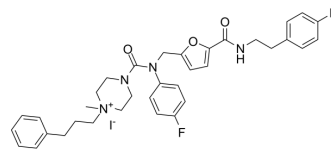


Trypanothione synthetase-IN-5

Cat. No.:	HY-162134
Molecular Formula:	C ₃₅ H ₃₉ F ₂ IN ₄ O ₃
Molecular Weight:	728.61
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Trypanothione synthetase-IN-5 (compound 9) is a trypanothione reductase (TR) inhibitor, with an IC₅₀ of 20.5 μM for *Leishmania infantum* TR. Trypanothione synthetase-IN-5 also has inhibitory activity for human glutathione reductase (hGR), with an IC₅₀ of 62.4 μM^[1].

REFERENCES

[1]. Exertier C, et al. Fragment Merging, Growing, and Linking Identify New Trypanothione Reductase Inhibitors for Leishmaniasis. *J Med Chem.* 2024 Jan 11;67(1):402-419.

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

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