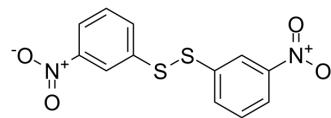


3-Nitrophenyl disulfide

Cat. No.:	HY-W009213
CAS No.:	537-91-7
Molecular Formula:	C ₁₂ H ₈ N ₂ O ₄ S ₂
Molecular Weight:	308.33
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3-Nitrophenyl disulfide (Bis(3-Nitrophenyl) disulfide) is an inhibitor of mannitol-1-phosphate dehydrogenase (M1PDH) with IC ₅₀ of 3 μM. 3-Nitrophenyl disulfide has antiparasitic activity ^[1] .
IC ₅₀ & Target	Mannitol-1-phosphate Dehydrogenase (M1PDH) ^[1]

REFERENCES

[1]. Allocco JJ, et al. Nitrophenide (Megasul) blocks *Eimeria tenella* development by inhibiting the mannitol cycle enzyme mannitol-1-phosphate dehydrogenase. *J Parasitol.* 2001 Dec;87(6):1441-8.

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

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