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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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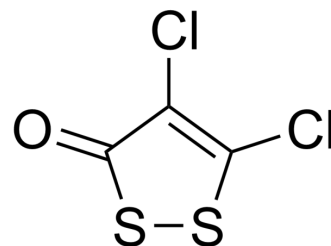
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4,5-Dichloro-3H-1,2-dithiol-3-one

Cat. No.:	HY-W016149
CAS No.:	1192-52-5
Molecular Formula:	C ₃ Cl ₂ OS ₂
Molecular Weight:	187.07
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4,5-Dichloro-3H-1,2-dithiol-3-one (Dichloro-1,2-dithiacyclopentenone) is an E. coli FabH inhibitor (IC₅₀: 2.9 μM). 4,5-Dichloro-3H-1,2-dithiol-3-one can be used as a slimicide in the manufacture of food-contact paper and paperboard ^{[1][2]}.

REFERENCES

- [1]. Song X, et al. Synthesis and antibacterial activity of cinnamaldehyde acylhydrazone with a 1,4-benzodioxan fragment as a novel class of potent β-ketoacyl-acyl carrier protein synthase III (FabH) inhibitor. Chem Pharm Bull (Tokyo). 2014;62(11):1110-8.
- [2]. Mary S. Wolfe, et al. Chapter. National Toxicology Program. Book. Toxicology and Regulatory Process. 2006. Pages. 32

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

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