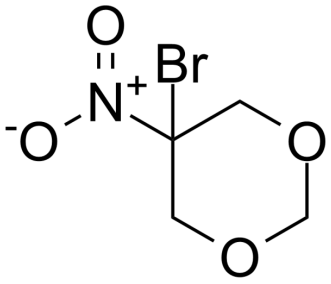
5-Bromo-5-nitro-1,3-dioxane

Cat. No.:	HY-W014316
CAS No.:	30007-47-7
Molecular Formula:	$C_4H_6BrNO_4$
Molecular Weight:	212
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-Bromo-5-nitro-1,3-dioxane, an antimicrobial compound, is effective against Gram-positive and Gram-negative bacteria and fungi, including yeast. 5-Bromo-5-nitro-1,3-dioxane inhibits enzyme activity and subsequent inhibition of microbial growth by the oxidation of essential protein thiol[1].

REFERENCES

[1]. M Ghannoum, et al. Mode of Action of the Antimicrobial Compound 5-bromo-5-nitro-1,3-dioxane (Bronidox). Folia Microbiol (Praha). 1986;31(1):19-31.

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

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