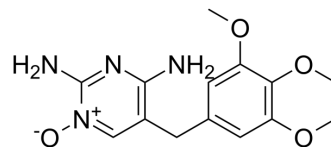


Trimethoprim N-oxide

Cat. No.:	HY-100644
CAS No.:	27653-68-5
Molecular Formula:	C ₁₄ H ₁₈ N ₄ O ₄
Molecular Weight:	306.32
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Trimethoprim N-oxide (Trimethoprim 1-N-oxide) belongs to human urinary metabolites. Trimethoprim N-oxide is generated by oxidation of nitrogen atoms in the pyrimidine ring. Trimethoprim N-oxide is formed predominantly by CYP1A2 in human liver microsomes^[1].

REFERENCES

[1]. Goldman JL, et al. In Vitro Hepatic Oxidative Biotransformation of Trimethoprim. Drug Metab Dispos. 2015 Sep;43(9):1372-80.

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

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