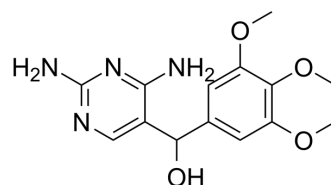


Ro 20-0657/000

Cat. No.:	HY-100622
CAS No.:	29606-06-2
Molecular Formula:	C ₁₄ H ₁₈ N ₄ O ₄
Molecular Weight:	306.32
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ro 20-0657/000 is a metabolite of Trimethoprim. Trimethoprim is a dihydrofolate reductase inhibitor, used as an antibacterial agent in human and veterinary medicine^{[1][2][3]}.

REFERENCES

[1]. Robert E. London, et al. Nuclear magnetic resonance study of interaction of ligands with Streptococcus faecium dihydrofolate reductase labeled with [γ -¹³C]tryptophan. Biochemistry 1982, 21, 18, 4450-4458.

[2]. van 't Klooster GA, et al. Determination of trimethoprim and its oxidative metabolites in cell culture media and microsomal incubation mixtures by high-performance liquid chromatography. J Chromatogr. 1992 Sep 2;579(2):354-60.

[3]. Tadić Đ, et al. Simultaneous determination of multiclass antibiotics and their metabolites in four types of field-grown vegetables. Anal Bioanal Chem. 2019 Aug;411(20):5209-5222.

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

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