



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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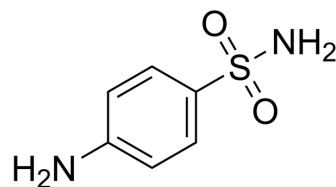
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Sulfanilamide (Standard)

Cat. No.:	HY-B0242R
CAS No.:	63-74-1
Molecular Formula:	C ₆ H ₈ N ₂ O ₂ S
Molecular Weight:	172.2
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sulfanilamide (Standard) is the analytical standard of Sulfanilamide. This product is intended for research and analytical applications. Sulfanilamide (Sulphanilamide) is a potent and orally active sulfonamide antibiotic and can be a major intermediate of sulfamethoxazole biodegradation. Sulfanilamide also is a carbonic anhydrase inhibitor. Sulfanilamide shows inhibition on virus of lymphogranuloma venereum^{[1][2][3][4]}.

REFERENCES

- [1]. Liao X, et al. Antibiotic sulfanilamide biodegradation by acclimated microbial populations. *Appl Microbiol Biotechnol.* 2016 Mar;100(5):2439-47.
- [2]. Padeřskaia EN, et al. Sravnitel'naya aktivnost' depo-sul'fanilamidov pri éksperimental'noy infektsii myshey, vyzvannoy K1. pneumoniae [Comparative activity of depot sulfanilamides in experimental infection in mice caused by K1. pneumoniae]. *Antibiotiki.* 1980 Mar;25(3):193-8.
- [3]. T. MANN, et al. Sulphanilamide as a Specific Inhibitor of Carbonic Anhydrase. *Nature*, 1940, 146, 164-165.
- [4]. Findlay GM. The Action of Sulphanilamide on the Virus of Lymphogranuloma Venereum. *Br J Exp Pathol.* 1940 Dec;21(6):356-60.

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

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