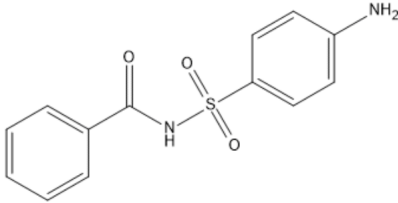


Certificate of Analysis

Catalog Number	BP12413
Product Name	Sulfabenzamide

Physical and Chemical Properties

Synonyms	Sultrin, N-Sulfanilylbenzamide
CAS No.	127-71-9
Chemical Formula	C ₁₃ H ₁₂ N ₂ O ₃ S
Molecular Weight	276.31
Solubility	Ethanol: <1 mg/mL DMSO: 50 mg/mL(181 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Sulfabenzamide is a sulfonamide antibacterial agent used alone or with sulfathiazole and sulfacetamide as a topical, intravaginal antibacterial preparation.
In vitro	Sulfabenzamide inhibits the proliferation and increases Caspase-3 activity in T-47D cells. It does not induce apoptosis but a minimal shift from G1 to S and G2/M phases of the cell cycle.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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