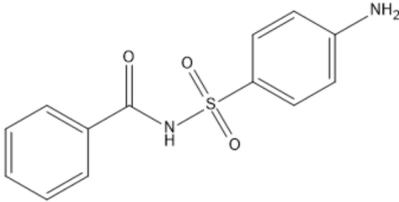


## Certificate of Analysis

Catalog Number	BP12413
Product Name	Sulfabenzamide

### Physical and Chemical Properties

Synonyms	Sultrin, N-Sulfanilylbenzamide
CAS No.	127-71-9
Chemical Formula	C <sub>13</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub> 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	 <p>The chemical structure shows a benzamide group (a benzene ring attached to a carbonyl group, which is further attached to an NH group) connected to a sulfonamide group (a sulfur atom double-bonded to two oxygen atoms and single-bonded to an NH group, which is further attached to a para-aminophenyl ring).</p>

### 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 dose 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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