



## Trimethoprim

A bactericidal antibiotic inhibiting bacterial growth by interfering with folic acid synthesis.

In microbiology, trimethoprim powder is a frequently used antibiotic. It derives from the Streptomyces bacterium and works by inhibiting the enzyme dihydrofolate reductase, which is essential for bacterial growth and reproduction.

To make selective culture media in a laboratory setting, trimethoprim powder is required. It specifically inhibits the growth of some bacteria which are sensitive to it.

Cat. Number	AS-2024
CAS Number	738-70-5
MDL Number	MFCD00036761
PubChem	310281355
Molecular Weight	290.32 g/mol
Molecular Formula	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>
Storage Temperature	4°C
Form and Color	Crystalline powder, white to light yellow
Assay (on dry basis)	98.5 – 101%
Heavy metals	≤ 20ppm
Sulphated ash	≤ 0.1%
Melting point	≥ 199 °C
Loss on Drying	Max. 1%
Synonym	5-[(3,4,5-Trimethoxyphenyl) methyl]-2,4-pyrimidinediamine