



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 ₁₄ H ₁₈ N ₄ O ₃
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