

Product Data Sheet

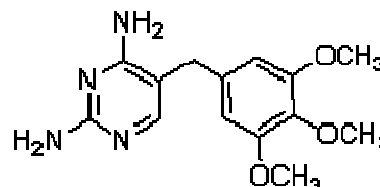
Cat # ABT-590-05
Cat # ABT-590-25

Trimethoprim, lactate
Trimethoprim, lactate

Size: 5 g
Size: 25 g

General Information

Trimethoprim is a bacteriostatic antibiotic mainly used in the prophylaxis and treatment of urinary tract infections. It belongs to the class of chemotherapeutic agents known as dihydrofolate reductase inhibitors. Trimethoprim was formerly marketed by GlaxoSmithKline under trade names including Proloprim, Monotrim and Triprim; it is often abbreviated TRI or TMP; its common laboratory abbreviation is W. Trimethoprim acts by interfering with the action of bacterial dihydrofolate reductase, inhibiting synthesis of tetrahydrofolic acid. Inhibition of the enzyme starves the bacteria of nucleotides necessary for DNA replication causing, in certain circumstances, cell lethality due to thymineless death.



Molecular Formula:
C₁₄H₁₈N₄O₃
Molecular Weight:
290.32 g/mol

Analysis Test	Specification	Results
Description	white crystalline powder	white crystalline powder
Purity	>98%	99.3%
Identification	1+,2+	Complies
Loss of drying	<2%	0.12%
Residue on ignition	<0.2%	0.1%
Content	TMP >98%	99.57%
Melting point(°C)	132~138 °C	Conform
pH	4-6	5.3
Conclusion	QC Passed	

Usage: This item is for LABORATORY RESEARCH USE ONLY. It is not approved by US FDA for use in humans or animals. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

ABT-590-05

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