



Product Information

Product ID T7034

CAS No. 738-70-5

Chemical Name 5-[(3,4,5-Trimethoxyphenyl)methyl]-2,4- pyrimidinediamine

Synonym Instalac, Monotrim, Proloprim, Trimopan, Trimpex, Wellcoprim

Formula C₁₄H₁₈N₄O₃

Formula Wt. 290.32

Melting Point 199-203 °C

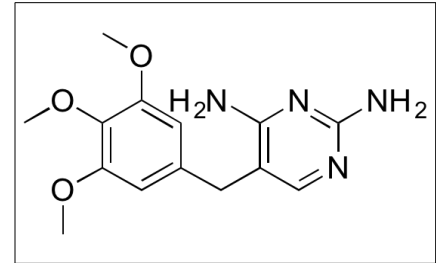
Purity ≥98%

Solubility Soluble in DMAC, or benzyl alcohol. Slightly soluble in propylene glycol, chloroform, methanol and water.

Store Temp Ambient

Ship Temp Ambient

Description Trimethoprim is an antibiotic that inhibits dihydrofolate reductase, acting as an anti-folate. Trimethoprim exhibits antibacterial activity against both gram positive and gram negative bacteria and is clinically used to treat urinary tract infections.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T7034	5 g	\$60.00
T7034	25 g	\$187.30
T7034	100 g	\$524.50

References Singh P, Kaur M, Sachdeva S. Mechanism inspired development of rationally designed dihydrofolate reductase inhibitors as anticancer agents. *J Med Chem.* 2012 Jul 26;55(14):6381-90. PMID: 22734697.

Sangurdekar DP, Zhang Z, Khodursky AB. The association of DNA damage response and nucleotide level modulation with the antibacterial mechanism of the anti-folate drug trimethoprim. *BMC Genomics.* 2011 Nov 28;12:583. PMID: 22122981.

Brogden RN, Carmine AA, Heel RC, et al. Trimethoprim: a review of its antibacterial activity, pharmacokinetics and therapeutic use in urinary tract infections. *Drugs.* 1982 Jun;23(6):405-30. PMID: 7049657.

Ho YB, Zakaria MP, Latif PA, Saari N. Occurrence of veterinary antibiotics and progesterone in broiler manure and agricultural soil in Malaysia. *Sci Total Environ.* 2014 Aug 1;488-489:261-267. PMID: 24836135.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.