



LKT Laboratories, Inc.

Tinidazole

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lctlabs.com
Web: lctlabs.com

Product Information

Product ID T3454

CAS No. 19387-91-8

Chemical Name 1-(2-(Ethylsulfonyl)ethyl)-2-methyl-5-nitroimidazole

Synonym Fasigin, Trimonase, Pletil, Simplotan, Tinidazol

Formula C₈H₁₃N₃O₄S

Formula Wt. 247.27

Melting Point 127-128°C

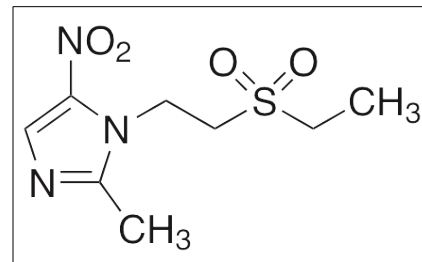
Purity ≥98%

Solubility Insoluble in water; soluble
in most organic solvents.
Soluble in DMSO to 49
mg/mL.

Store Temp Ambient

Ship Temp Ambient

Description Tinidazole is an anti-parasitic compound that inhibits nucleic acid synthesis in microbial cells. Tinidazole displays efficacy against *Entamoeba* and *Trichomonas*. Additionally, tinidazole exhibits antibacterial activity against *Helicobacter pylori*.



Bulk quantities available upon request

Product ID	Size
T3454	10 g
T3454	100 g
T3454	250 g

References Penuliar GM, Furukawa A, Sato D, et al. Mechanism of trifluoromethionine resistance in *Entamoeba histolytica*. J Antimicrob Chemother. 2011 Sep;66(9):2045-52. PMID: 21676903.

Hsu CC, Chen JJ, Hu TH, et al. Famotidine versus omeprazole, in combination with amoxicillin and tinidazole, for eradication of *Helicobacter pylori* infection. Eur J Gastroenterol Hepatol. 2001 Aug;13(8):921-6. PMID: 11507356.

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