



LKT Laboratories, Inc.

Metronidazole

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Product Information

Product ID M1977

CAS No. 443-48-1

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

Synonym Arilin, Deflamon, Flagyl, Gineflavir, Klion, MetroGel, Trichazol, Vagilen, Zidoval

Formula C₆H₉N₃O₃

Formula Wt. 171.15

Melting Point 159-163 °C

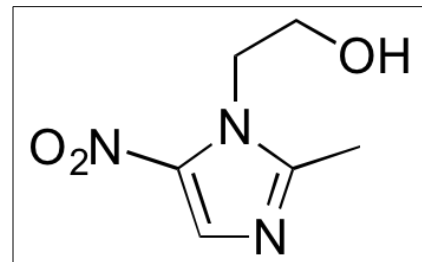
Purity ≥98%

Solubility Soluble in water, dilute acids and ethanol. Slightly soluble in DMF. DMSO 34 mg/mL.

Store Temp Ambient

Ship Temp Ambient

Description Metronidazole is a nitroimidazole antibiotic that inhibits DNA synthesis. Metronidazole displays antibacterial and anti-protozoal activities against anaerobic bacteria and protozoa, including species of *Clostridium* and *Trichomonas*.



Bulk quantities available upon request

Product ID	Size
M1977	5 g
M1977	25 g
M1977	100 g

References Cohen SH, Gerding DN, Johnson S, et al. Clinical practice guidelines for *Clostridium difficile* infection in adults: 2010 update by the society for healthcare epidemiology of America (SHEA) and the infectious diseases society of America (IDSA). *Infect Control Hosp Epidemiol.* 2010 May;31(5):431-55. PMID: 20307191.

Raether W, Hänel H. Nitroheterocyclic drugs with broad spectrum activity. *Parasitol Res.* 2003 Jun;90 Supp 1:S19-39. PMID: 12811546.

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