

Tinidazole

Catalog No: tcsc2055



Available Sizes

Size: 100mg

Size: 1g

Size: 5g



Specifications

CAS No:

19387-91-8

Formula:

$C_8H_{13}N_3O_4S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

247.27

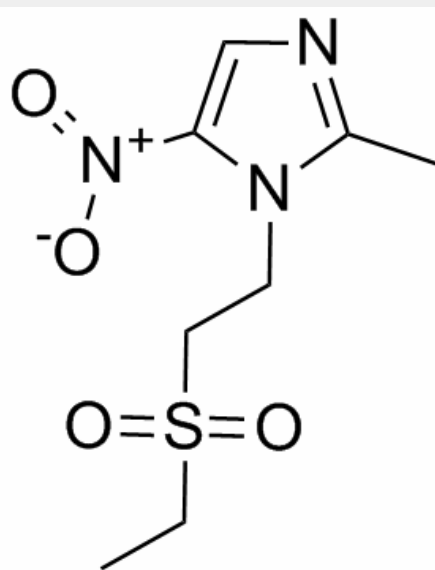
Product Description

Tinidazole is a synthesized imidazole derivative used in antiprotozoal treatment with antiamebic and antibacterial properties.

Target: Antibacterial

Tinidazole is a 5-nitroimidazole active in vitro against a wide variety of anaerobic bacteria and protozoa. Tinidazole is an effective treatment against anaerobic microorganisms based on its pharmacokinetic characteristics (C(max) 51 microg/ml, t(1/2) 12.5 h) and its excellent in vitro activity. Its long half-life allows once a day regimens. Tinidazole is as effective as metronidazole in the treatment of infections caused by *T. vaginalis*, giardiasis and amebiasis and bacterial vaginosis, malaria, odontogenic infections, anaerobic bacterial infections (pelvic inflammatory disease, diabetic foot), surgical prophylaxis (abdominal and hysterectomy) and *Helicobacter pylori* eradication.

Tinidazole has recently been resurrected and FDA approved for trichomoniasis and BV in the USA and is being restudied as an alternative to metronidazole for BV. In vitro antimicrobial activity and pharmacokinetics studies indicate that when compared directly with metronidazole, tinidazole has minor but possibly relevant antimicrobial as well as pharmacokinetic advantages.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!