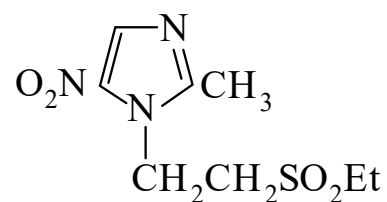




>>Entry Name: Tinidazole, BAN, INN, JAN, USAN

Synonym(s): 1-[2-(Ethylsulfonyl)ethyl]-2-methyl-5-nitro-1*H*-imidazole, 9Cl. Fasigyne. Simplotan. Tricolam. Glongyn. Bioshik



CAS Registry Number: 19387-91-8

Molecular Formula: C<sub>8</sub>H<sub>13</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight: 247.274

Accurate Mass: 247.062677

Percentage Composition: C 38.86%; H 5.30%; N 16.99%; O 25.88%; S 12.97%

Use/Importance: Antitrichomonal, antimicrobial agent

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 127-128°

Solubility: Sol. H<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>

pKa Value: pK<sub>a</sub> 2.11

Calculated Log P Data: Log P -0.5 (calc)

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) 2710 mg/kg. Exp. reprod. and teratogenic effects (fetotoxic)

Sigma: T3021

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