PRODUCT DATA SHEET

Azomycin

Code No.: BIA-A1690
Pack sizes: 5 mg, 25 mg

Synonyms: 2-Nitroimidazole, Amicin

Specifications
CAS #: 527-73-1
Molecular Formula: C₃H₃N₃O₂
Molecular Weight: 113.1
Source: Nocardia sp.
Appearance: Off-white solid
Purity: >95% by HPLC
Long Term Storage: -20°C
Solubility: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes
Azomycin is a small heterocyclic imidazole first isolated from a species of Nocardia by Umezawa’s group in 1953 as an antibiotic with activity against Gram positive and Gram negative species. The structure was resolved as 2-nitroimidazole in 1955 and readily synthesized from 2-aminoimidazole in 1965. Azomycin is present in other bacterial genera, Streptomycetes and Pseudomonas. In 1956, it was reported to have antiprotozoan activity. Subsequent research focused on activity against anaerobic bacteria including Clostridium perfringens and Bacteroides fragilis.

References