

Product Datasheet

Secnidazole hemihydrate (orb1982118)

Description	Secnidazole hemihydrate (RP-14539), an orally ingestible azole derivative antibiotic and imidazole-based Serratia marcescens virulence suppressor, analogously inhibits acylhomoserine lactones, mitigating Pseudomonas aeruginosa pathogenicity through quorum sensing (QS) disruption. This compound exhibits broad-spectrum antimicrobial efficacy against numerous anaerobic Gram-negative and Gram-positive bacteria in vitro. Its therapeutic application spans the study and treatment of ailments including amoebiasis, giardiasis, and bacterial vaginitis [1] [2] [3].
Storage	-20°C
Note	For research use only
Formula	$C_7H_{13}N_3O_4$
Purity	98.00%
MW	203.20
CAS Number	227622-73-3
SMILES	<chem>O=[N+](C1=CN=C(C)N1CC(O)C)[O-].O</chem>
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)