

Product Datasheet

Fidaxomicin (orb864224)

Description	Fidaxomicin is a macrocyclic antibiotic, isolated from actinomycete <i>Dactylosporangium aurantiacum</i> . Fidaxomicin is an RNA polymerase inhibitor that has a narrow antibiotic activity spectrum and is not readily absorbed into the blood circulatory system. This anti-bacterial agent is almost <i>Clostridium difficile</i> specific in the colon, and has minimal effect to the intestinal microbial flora.
Storage	Storage Temp: -20°C
Note	For research use only
Purity	≥98%
MW	1058.05
CAS Number	873857-62-6
SMILES	<chem>CCC1C=C(C(CC=CC=C(C(=O)OC(CC=C(C=C(C1OC2C(C(C(C(O2)(C)C)OC(=O)C(C)C)O)O)C)C(C)O)COC3C(C(C(C(O3)C)OC(=O)C4=C(C(=C(C(=C4O)Cl)O)Cl)CC)O)OC)O)C</chem>
Solubility (25°C)	Insoluble in water, soluble in CHCl ₃ (10 mg/ml), methanol(10 mg/ml), DMSO(1mg/ml).
Hazard Information	Non-Toxic
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)