



LKT Laboratories, Inc.

Fidaxomicin

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## Product Information

**Product ID** F285081

**CAS No.** 873857-62-6

**Chemical Name** [(2R,3S,4S,5S,6R)-6-[[[(3E,5E,8S,9E,11S,12R,13E,15E,18S)-12-[(2R,3S,4R,5S)-3,4-dihydroxy-6,6-dimethyl-5-(2-methylpropanoyloxy)oxan-2-yl]oxy-11-ethyl-8-hydroxy-18-[(1R)-1-hydroxyethyl]-9,13,15-

**Synonym** Clostomicin B1, Difacid, Dificlir, lipiarmicin lipiarmycin, lipiarmycin A3, tiacumicin B.

**Formula** C<sub>52</sub>H<sub>74</sub>Cl<sub>2</sub>O<sub>18</sub>

**Formula Wt.** 1058.05

**Melting Point**

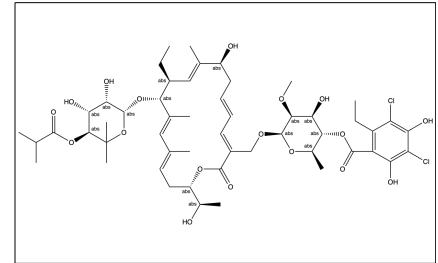
**Purity** ≥98%

**Solubility** Insoluble in water, soluble in CHCl<sub>3</sub>(10 mg/ml), methanol(10 mg/ml), DMSO(1mg/ml).

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Fidaxomicin is a macrocyclic antibiotic, isolated from actinomycete *Dactylosporangium aurantiacum*. 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 *Clostridium difficile* specific in the colon, and has minimal effect to the intestinal microbial flora.



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size
F285081	25 mg
F285081	100 mg
F285081	250 mg

**References** Poxton IR. Fidaxomicin: a new macrocyclic, RNA polymerase-inhibiting antibiotic for the treatment of *Clostridium difficile* infections. *Future Microbiol.* 2010 ;5(4):539-48 doi: 10.2217/fmb.10.20.PMID: 20353295 Review.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.