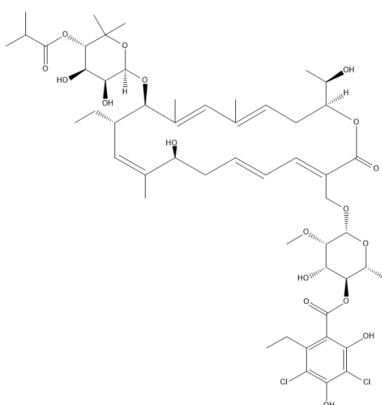


Certificate of Analysis

Catalog Number	BP22568
Product Name	Fidaxomicin

Physical and Chemical Properties

Synonyms	OPT-80; PAR-101
CAS No.	873857-62-6
Chemical Formula	C ₅₂ H ₇₄ Cl ₂ O ₁₈
Molecular Weight	1058.04
	H ₂ O: 50 mg/mL (100.50 mM, Need ultrasonic)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Fidaxomicin (OPT-80), a macrocyclic antibiotic, is an orally active and potent RNA polymerase inhibitor. Fidaxomicin has a narrow spectrum of antibacterial activity and a good anti-Clostridium difficile activity (MIC90=0.12 µg/mL). Fidaxomicin can be used for Clostridium difficile infection (CDI) research.
In vitro	Fidaxomicin selectively eradicates pathogenic Clostridium difficile with minimal disruption to the multiple species of bacteria that make up the normal, healthy intestinal flora. Fidaxomicin is not inhibitory to commonly cultured bowel commensals (MIC90 >1024 µg/mL).
In vivo	Fidaxomicin (0-5 mg/kg, Orally, once a day for 5 days) completely prevents the lethality of the animals and prevents the occurrence of relapses in a hamster model for pseudomembranous colitis.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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