

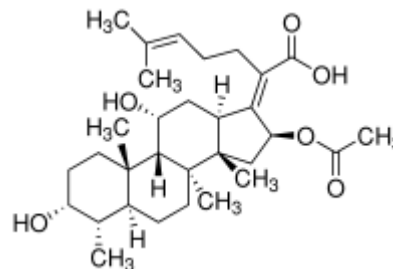
Cat # ABT-500-05
Cat # ABT-500-01

Fusidate, Sodium (Pharma Grade)
Fusidate, Sodium (Pharma Grade)

Size: 5 g
Size: 1 g

General Information

Fusidic acid is a bacteriostatic antibiotic that is often used topically in creams and eyedrops, but may also be given systemically as tablets or injections. Fusidic acid acts as a bacterial protein synthesis inhibitor. Fusidic acid is only effective on gram-positive bacteria such as Staphylococcus species and Corynebacterium species. It is derived from the fungus Fusidium coccineum. The drug is licensed for use as sodium fusidate. One important use of fusidic acid clinically is its activity against methicillin-resistant Staphylococcus aureus. Many strains of MRSA remain sensitive to fusidic acid, but because there is a low genetic barrier to drug resistance (a single point mutation is all that is required), fusidic acid must never be used on its own to treat serious MRSA infection and should be combined with another antimicrobial such as rifampicin.



Molecular Formula:
C₃₁H₄₈O₆
Molecular Weight:
516.71 g/mol

TEST	SPECIFICATION
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
	50 mg/mL, EtOH
Water (by Karl Fischer)	≤10 %
Carbon (anhydrous)	70.5 - 73.5 %
Proton NMR spectrum	Conforms to Structure
¹³C NMR SPECTRUM	Conforms to Structure
Purity (TLC)	≥98 %

ABT-500-01

110520AO

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com