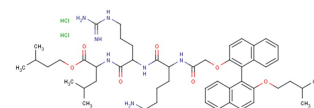


AVX 13616

Chemical Properties

CAS No.:	900814-48-4
Formula:	C50H73Cl2N7O7
Molecular Weight:	955.06
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AVX 13616 shows the potent in vivo antibacterial activity of Avexa' s lead antibacterial candidate; particularly against drug-resistant Staphylococcus pathogens. IC50 value: 2-4 ug/ml (MICs) Target: antibacterial agent AVX13616 was as active as mupirocin in a nasal decolonization model but required only a single application. AVX13616 and other compounds showed broad spectrum antibacterial activity against a range of isolates with MICs of 2-4 micrograms per millilitre against S. aureus, coagulase negative staphylococci, enterococci, MRSA, VISA and VRSA. The compounds are being developed for topical indications and/or wound infection/catheter-related infections. A single application of 5% (w/w) AVX13616 (approximately equimolar to 2% mupirocin) was as effective as 2% mupirocin administered twice a day for five days in nasal decolonisation of MRSA in mice.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.047 mL	5.235 mL	10.471 mL
5 mM	0.209 mL	1.047 mL	2.094 mL
10 mM	0.105 mL	0.524 mL	1.047 mL
50 mM	0.021 mL	0.105 mL	0.209 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Avexa Presents Data from Apricitabine and Antibacterial Programs at two International Conferences

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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