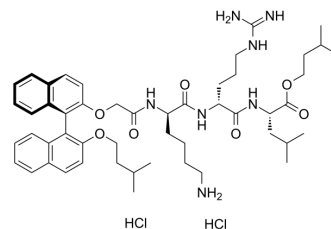


AVX 13616

Cat. No.:	HY-16672
CAS No.:	900814-48-4
Molecular Formula:	C ₅₀ H ₇₃ Cl ₂ N ₇ O ₇
Molecular Weight:	955.06
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

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. The compounds are being developed for topical indications and/or wound infection/catheter-related infections. 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. 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.

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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