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Product Datasheet

Tigecycline, CAS [[220620-09-7]] FBM-10-3900

Artikelname	Tigecycline, CAS [[220620-09-7]]
Artikelnummer	FBM-10-3900
Hersteller Artikelnummer	10-3900
Alternativnummer	FBM-10-3900-10MG,FBM-10-3900-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Antibiotic...
Molekulargewicht	585.66
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Orange solid
CAS Nummer	[220620-09-7]
Formel	C ₂₉ H ₃₉ N ₅ O ₈

Anwendungsbeschreibung	Tigecycline is a clinically useful antibiotic.^{1,2} It is a glycylcycline derivative of minocycline that binds to the 30S ribosomal subunit of bacteria blocking the interaction of aminoacyl-tRNA with the ribosome. Tigecycline is active against Gram-positive and -negative bacteria, anaerobic bacteria and drug resistant bacteria such as MRSA, MRSE, and VRE. Tigecycline has also been shown to be selectively toxic to human acute myeloid leukemia cells over normal hematopoietic cells via inhibition of mitochondrial protein translation.³ It has also been found to be effective against other cancers including non-small cell lung cancer⁴, melanoma⁵, lymphoma⁶, and osteosarcoma⁷.
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