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Product Datasheet

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

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| Article Name | Tigecycline, CAS [[220620-09-7]] |
| Biozol Catalog Number | FBM-10-3900 |
| Supplier Catalog Number | 10-3900 |
| Alternative Catalog Number | FBM-10-3900-10MG,FBM-10-3900-50MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | Antibiotic... |
| Molecular Weight | 585.66 |
| Purity | 98% by HPLC NMR (Conforms) |
| Form | Orange solid |
| CAS Number | [220620-09-7] |
| Formula | C29H39N5O8 |
| Application Notes | <p>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.</p> |