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## Product Datasheet

**Tigecycline, CAS [[220620-09-7]]**

**FBM-10-3900**

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	Tigecycline is a clinically useful antibiotic. <sup>1,2</sup> 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. <sup>3</sup> It has also been found to be effective against other cancers including non-small cell lung cancer <sup>4</sup> , melanoma <sup>5</sup> , lymphoma <sup>6</sup> , and osteosarcoma <sup>7</sup> .