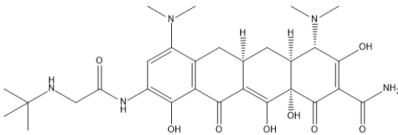


Certificate of Analysis

Catalog Number	BP12568
Product Name	Tigecycline

Physical and Chemical Properties

Synonyms	GAR-936
CAS No.	220620-09-7
Chemical Formula	C ₂₉ H ₃₉ N ₅ O ₈
Molecular Weight	585.658
Solubility	DMSO: 93 mg/mL (158.8 mM) Ethanol: <1 mg/mL; H ₂ O: 92 mg/mL (157.1 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Tigecycline is a broad-spectrum glycylcycline antibiotic derived from tetracycline. Tigecycline binds to the 30S ribosomal subunit, thereby interfering with the binding of aminoacyl-tRNA to the mRNA-ribosome complex.
Targets&IC50	A. baumannii:1 mg/mL (MIC50), A. baumannii:2 mg/mL (MIC90), E. coli:125 ng/mL (Mean MIC)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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v2 Revision on 12/28/2022