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Product Datasheet

Divin, CAS [[1443321-11-6]]

FBM-10-4105

Article Name	Divin, CAS [[1443321-11-6]]
Biozol Catalog Number	FBM-10-4105
Supplier Catalog Number	10-4105
Alternative Catalog Number	FBM-10-4105-5MG, FBM-10-4105-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Divisome assembly inhibitor...
Molecular Weight	372.42
Purity	98% by HPLC NMR (Conforms)
Form	Pale yellow solid
CAS Number	[1443321-11-6]
Formula	C22H20N4O2
Application Notes	Divin is an iron, cobalt, and copper chelator that arrests the late stages of cytokinesis in bacteria by blocking the physical process of constriction in dividing cells without affecting FtsZ. Iron starvation leads to transcriptional down-regulation of genes encoding proteins involved in cell division and affects the spatiotemporal localization of the divisome. Long-term treatment of bacteria with Divin resulted in cellular damage and prevented reactivation of the divisome even in the presence of iron-replete conditions. Iron deprivation is a potential adjuvant therapy for treating bacterial antibiotic resistance.