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Product Datasheet

Divin, CAS [[1443321-11-6]] FBM-10-4105

Artikelname	Divin, CAS [[1443321-11-6]]
Artikelnummer	FBM-10-4105
Hersteller Artikelnummer	10-4105
Alternativnummer	FBM-10-4105-5MG,FBM-10-4105-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Divisome assembly inhibitor...
Molekulargewicht	372.42
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Pale yellow solid
CAS Nummer	[1443321-11-6]
Formel	C22H20N4O2
Anwendungsbeschreibung	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.