

Product Data Sheet

Product Name: Divin
Cat. No.: GB40181

Chemical Properties

Cas. No. 1443321-11-6

Formula $C_{22}H_{20}N_4O_2$ M.Wt 372.42

Solubility Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Divin (1443321-11-6) 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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