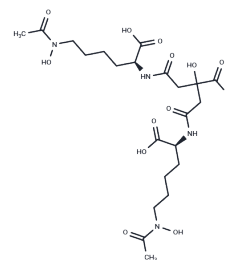


Aerobactin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 26198-65-2 |
| Formula: | C ₂₂ H ₃₆ N ₄ O ₁₃ |
| Molecular Weight: | 564.54 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | Aerobactin is a bacterial-produced iron carrier and iron chelator, a key virulence factor in many Enterobacteriaceae bacteria, widely used in biochemical research. |
| Targets(IC50) | Others,Endogenous Metabolite |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 100 mg/mL (177.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.7714 mL | 8.8568 mL | 17.7135 mL |
| 5 mM | 0.3543 mL | 1.7714 mL | 3.5427 mL |
| 10 mM | 0.1771 mL | 0.8857 mL | 1.7714 mL |
| 50 mM | 0.0354 mL | 0.1771 mL | 0.3543 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Bailey DC, et al. Structural and functional delineation of aerobactin biosynthesis in hypervirulent *Klebsiella pneumoniae*. *J Biol Chem.* 2018 May 18;293(20):7841-7852. doi: 10.1074/jbc.RA118.002798. Epub 2018 Apr 4.

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