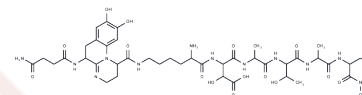


## Pseudobactin A

## Chemical Properties

CAS No. :	79438-64-5
Formula:	C <sub>42</sub> H <sub>62</sub> N <sub>12</sub> O <sub>16</sub>
Molecular Weight:	991.026
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	Pseudobactin A is a nonfluorescent extracellular siderophore produced by plant growth-promoting bacterium Pseudomonas B10.
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0091 mL	5.0453 mL	10.0905 mL
5 mM	0.2018 mL	1.0091 mL	2.0181 mL
10 mM	0.1009 mL	0.5045 mL	1.0091 mL
50 mM	0.0202 mL	0.1009 mL	0.2018 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

- Marek-Kozaczuk M, Kopcińska J, Lotocka B, Golinowski W, Skorupska A. Infection of clover by plant growth promoting *Pseudomonas fluorescens* strain 267 and *Rhizobium leguminosarum* bv. *trifolii* studied by mTn5-gusA. *Antonie Van Leeuwenhoek*. 2000 Jul;78(1):1-11. PubMed PMID: 11016690.
- Taraz K, Seinsche D, Budzikiewicz H. [Pseudobactin and pseudobactin A variants: new pyoverdinin type peptide siderophores from *Pseudomonas fluorescens* "E2"]. *Z Naturforsch C*. 1991 Jul-Aug;46(7-8):522-6. German. PubMed PMID: 1776994.
- Magazin MD, Moores JC, Leong J. Cloning of the gene coding for the outer membrane receptor protein for ferric pseudobactin, a siderophore from a plant growth-promoting *Pseudomonas* strain. *J Biol Chem*. 1986 Jan 15;261(2):795-9. PubMed PMID: 3001083.
- Moores JC, Magazin M, Ditta GS, Leong J. Cloning of genes involved in the biosynthesis of pseudobactin, a high-affinity iron transport agent of a plant growth-promoting *Pseudomonas* strain. *J Bacteriol*. 1984 Jan;157(1):53-8. PubMed PMID: 6690426; PubMed Central PMCID: PMC215128.

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