

## Pseudomonic acid D

## Chemical Properties

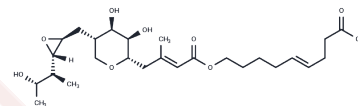
CAS No. : 85248-93-7

Formula: C<sub>26</sub>H<sub>42</sub>O<sub>9</sub>

Molecular Weight: 498.61

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Pseudomonic acid D is a topical antibiotic agent used against superficial skin infections such as impetigo or folliculitis.
Targets(IC50)	Others,Antibacterial,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0056 mL	10.0279 mL	20.0558 mL
5 mM	0.4011 mL	2.0056 mL	4.0112 mL
10 mM	0.2006 mL	1.0028 mL	2.0056 mL
50 mM	0.0401 mL	0.2006 mL	0.4011 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

Finnell SM, Rosenman MB, Christenson JC, Downs SM. Decolonization of children after incision and drainage for MRSA abscess: a retrospective cohort study. Clin Pediatr (Phila). 2015 May;54(5):445-50. doi: 10.1177/0009922814556059. Epub 2014 Nov 10. PubMed PMID: 25385929.

Parajuli P, Pandey RP, Pokhrel AR, Ghimire GP, Sohng JK. Enzymatic glycosylation of the topical antibiotic mupirocin. Glycoconj J. 2014 Nov;31(8):563-72. doi: 10.1007/s10719-014-9538-6. Epub 2014 Jul 30. PubMed PMID: 25069899.

Hetem DJ, Vogely HC, Severs TT, Troelstra A, Kusters JG, Bonten MJ. Acquisition of high-level mupirocin resistance in CoNS following nasal decolonization with mupirocin. J Antimicrob Chemother. 2015 Apr;70(4):1182-4. doi: 10.1093/jac/dku522. Epub 2014 Dec 23. PubMed PMID: 25538164.

Udawant SP, Chakraborty TK. Total synthesis of (+)-mupirocin H from D-glucose. J Org Chem. 2011 Aug 5;76(15):6331-7. doi: 10.1021/jo200396q. Epub 2011 Jul 8. PubMed PMID: 21707103.

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