

Product Data Sheet

Product Name: N-Demethylvancomycin (hydrochloride)

Cat. No.: GC49162

Chemical Properties

Cas. No. 198774-23-1

SMILES C1C=CC([C@H]([C@H](C(N[C@H](C(N[C@@]2([H])C(N[C@@](C3=CC=C(O)C4=C3)([H])C5=O)=O)=O)CC(N)=O)=O)NC([C@H](N)CCC)=O)O)=CC=C1OC6=C(C(OC7=CC=C(C=C7Cl)[C@@H](O)[C@@]([H])(C(N[C@H](C(O)=O)C8=CC(O)=CC(O)=C84)=O)N5)=CC2=C6)O[C@H]9[C@@H]([C@H]([C@@H]([C@H](O9)CO)O)O)[C@H]10C[C@@](N)([C@@H]([C@@H](O%10)C)O)C.Cl

Formula C₆₅H₇₃Cl₂N₉O₂₄·XHCl M.Wt 1435.2

Solubility Ethanol: 10 mg/ml, PBS (pH 7.2): 1 mg/ml Storage -20°C

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.

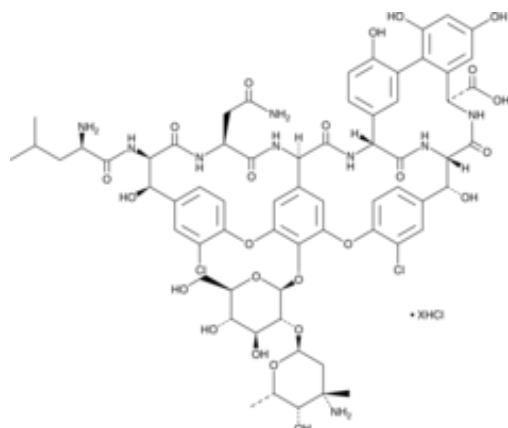
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

N-Demethylvancomycin is a glycopeptide antibiotic that has been found in *Nocardia orientalis*.¹ It is active against several strains of *S. aureus* and *S. epidermidis* *in vitro* and *in vivo*.² Formulations containing N-demethylvancomycin have been used in the treatment of bacterial infections.

1. Boeck, L.D., Mertz, F.P., Wolter, R.K., et al. N-demethylvancomycin, a novel antibiotic produced by a strain of *Nocardia orientalis*. *Taxonomy and fermentation J. Antibiot. (Tokyo)* 37(5)446-453(1984)

2. Hunt, A.H., Marconi, G.G., Elzey, T.K., et al. A51568A: N-demethylvancomycin. *J. Antibiot. (Tokyo)* 37(8)917-919(1984)

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