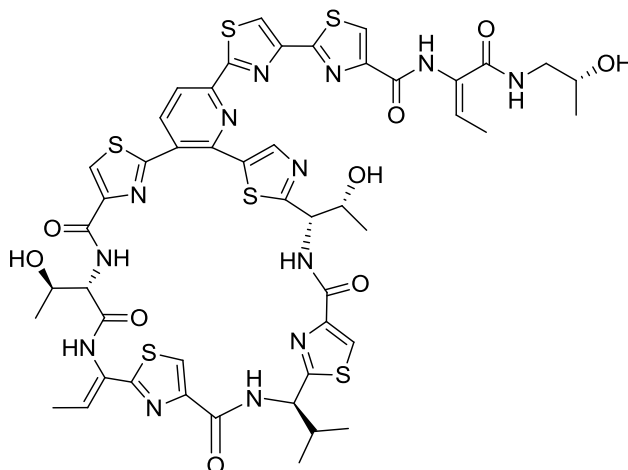


Micrococcin P1

Code No.: **BIA-M1590**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 67401-56-3
Molecular Formula	: C₄₈H₄₉N₁₃O₉S₆
Molecular Weight	: 1144.4
Source	: <i>Bacillus</i> sp.
Appearance	: Off-white to light fawn
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Micrococcin P1 holds the remarkable position in antibiotic discovery as the first of the early antibiotics to be lost to science. Micrococcin P1 is a thiopeptide originally isolated from *Micrococcus* sp. by Su at Oxford in 1948. Later, Heatley and Doery purified micrococcin and defined its physico-chemical properties and activity. The producing strain was lost, causing a hiatus in research of this antibiotic family until the discovery of the related thiocillins in 1976.

References

1. Antibiotic-producing organisms in faeces and sewage. Su T.L. Brit. J. Exp. Path. 1948, 29, 466.
2. The preparation and some properties of purified micrococcin. Heatley N.G. and Doery H.M. Biochem. J. 1951, 50, 247.
3. Micrococcin P1: Structure, biology and synthesis. Ciufolini M.A. and Lefranc D. Nat. Prod. Reports 2010, 27, 330.
4. Isolation of three new antibiotics, thiocillins I, II and III, related to micrococcin. P. Shoji J. J. Antibiot. 1976, 29, 366.

Updated: 2 December 2014