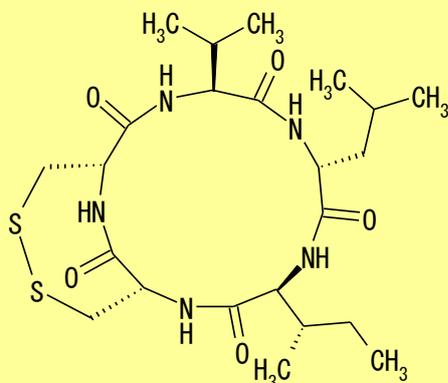


Structure**Origin:** Synthetic**CAS Registry Number:** 3022-92-2**Appearance:** white solid**Molecular Formula/ Weight:** C₂₃H₃₉N₅O₅S₂=529.**Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml DMSO**Background Information:**

Malformins were isolated from *Aspergillus niger*. Malformin A1, a bicyclic pentapeptide containing L-isoleucine, D-leucine, L-valine, and two D-cysteins with a disulfide-bond bridge, is inhibitor of bleomycin-induced G2 arrest in Jurkat cells with IC₅₀ values of 480 nM.

Handling and Storage:

Store at -20°C.

References:

- 1 Plant Physiol. 33 17 (1958)
- 2 Appl. Microbiol. 14 475 (1966)
- 3 J. Antibiot. 55 78 (2002)
- 4 Biol. Pharm. Bull. 30 1379 (2007)
- 5 J. Antibiot. 61 297 (2008)
J. Antibiot. 62 681 (2009)

Synthesized by Organic Chemistry Group, The Kitasato Institute.