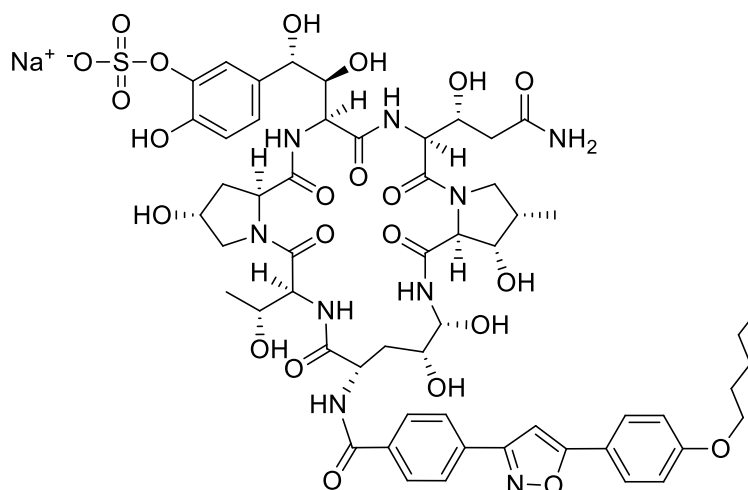


## Micafungin sodium

Code No.: **BIA-M1550**

Pack sizes: **1 mg, 5 mg**



Synonyms : Mycamine

## Specifications

CAS #	: 208538-73-2
Molecular Formula	: $C_{56}H_{70}N_9NaO_{23}S$
Molecular Weight	: 1292.3
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Moderater water solubility.

## Application Notes

Micafungin sodium is the salt of the semi-synthetic cyclic lipopeptide, micafungin, a member of the echinocandin class that was reported in 1999 from Fujisawa in Japan. The sodium salt takes advantage of the aryl sulfate moiety providing improved water solubility and is the preferred salt for pharmaceutical applications. Like all echinocandins, micafungin inhibits the synthesis of  $\beta$ -(1,3)-D-glucan, an essential component of the cell wall of susceptible fungi.

## References

1. FK463, a novel water-soluble echinocandin lipopeptide: Synthesis and antifungal activity. Tomishima M. et al., J. Antibiot. 1999, 52, 674.