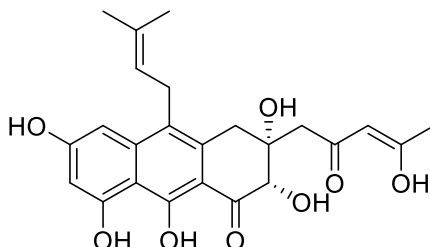


## Neosartoricin B

Code No.: **BIA-N2533**

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



Synonyms :

### Specifications

CAS #	: 1421708-43-1
Molecular Formula	: C <sub>24</sub> H <sub>26</sub> O <sub>8</sub>
Molecular Weight	: 442.5
Source	: <i>Aspergillus fumigatus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

### Application Notes

Neosartoricin B was produced biosynthetically in 2013 by Tang and colleagues from UCLA USA by selecting the gene cluster for neosartoricin that is homologous to a conserved cluster among dermatophytes of the Trichophyton and Arthroderma genera. When integrated into the model *Aspergillus nidulans* host, a structurally related compound neosartoricin B was formed, suggesting a possible role of this compound in the pathogenesis of these strains. Neosartoricin B is the O-deacetyl analogue of neosartoricin A, an immunosuppressive agent.

### References

1. Discovery of cryptic polyketide metabolites from dermatophytes using heterologous expression in *Aspergillus nidulans*. Yin W-B et al. ACS Synth Biol 2013, 2, 629.
2. Genome mining of a prenylated and immunosuppressive polyketide from pathogenic fungi. Chooi Y-H. et al. Org Lett 2013, 15, 780.