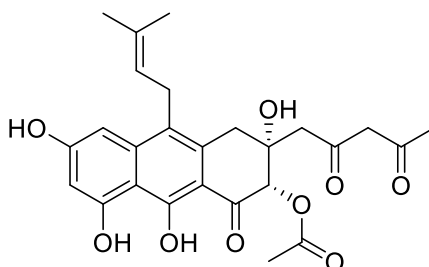


Neosartoricin

Code No.: **BIA-N2532**

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



Synonyms :

Specifications

CAS #	: 1421941-29-8
Molecular Formula	: C ₂₆ H ₂₈ O ₉
Molecular Weight	: 484.5
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 is a carbocyclic metabolite produced by *Aspergillus fumigatus* and *Neosartorya fischeri* following activation of their polycyclic polyketide prenyltransferase (pcPTase)-containing silent clusters, reported by Tang and colleagues from University of California Los Angeles USA in 2013. Neosartoricin exhibits T-cell antiproliferative activity with an IC₅₀ of 3 μM, suggesting a possible physiological role as an immunosuppressive agent.

References

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