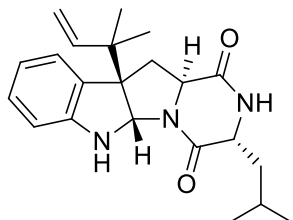


Brevicompanine B

Code No.: **BIA-B1176**

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



Synonyms :

Specifications

CAS #	: 215121-47-4
Molecular Formula	: C ₂₂ H ₂₉ N ₃ O ₂
Molecular Weight	: 367.5
Source	: <i>Penicillium</i> sp.
Appearance	: White crystals
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Brevicompanine B is a diketopiperazine-related metabolite produced by *Penicillium* and *Aspergillus* species. Brevicompanine B is active against the malaria parasite, *Plasmodium falciparum*, and shows pronounced plant growth regulatory activity but is devoid of antifungal or antibacterial activity.

References

1. Janoxepin and brevicompanine B: antiplasmodial metabolites from the fungus *Aspergillus janus*. Sprogoe K. et al., *Tetrahedron* 2005, 61, 8718.
2. Brevicompanines A and B: new plant growth regulators produced by the fungus, *Penicillium brevicompactum*. Kusano M. et al., *J. Chem. Soc., Perkin Trans.* 1998, 2823