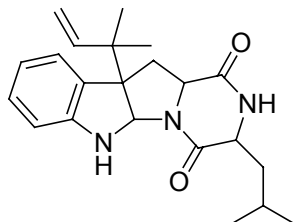


Brevicompanine B

Code: **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. MST-FP1766
Appearance	: White crystals
Purity	: > 99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Brevicompanine B is a diketopiperazine related metabolite produced by *Penicillium* and *Aspergillus* species. Brevicompanine B was found to be active against the malaria parasite *Plasmodium falciparum* and has been demonstrated to show 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