

Product Name:	Brevicompanine B
Product Number:	B054
CAS Number:	215121-47-4
Molecular Formula:	C ₂₂ H ₂₉ N ₃ O ₂
Molecular Weight:	367.5
Appearance:	White crystals
Storage Conditions:	-20°C
Description:	<p>Brevicompanine B is a diketopiperazine-related metabolite produced by <i>Penicillium</i> and <i>Aspergillus</i> species. Brevicompanine B is active against the malaria parasite, <i>Plasmodium falciparum</i>, and shows pronounced plant growth regulatory activity but is devoid of antifungal or antibacterial activity.</p> <p>Brevicompanine B is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Janoxepin and brevicompanine B: antiplasmodial metabolites from the fungus <i>Aspergillus janus</i>. Sprogø K. et al. <i>Tetrahedron</i> 2005, 61, 8718.</p> <p>Brevicompanines A and B: new plant growth regulators produced by the fungus, <i>Penicillium brevicompactum</i>. Kusano M. et al. <i>J. Chem. Soc., Perkin Trans.</i> 1998, 2823</p>