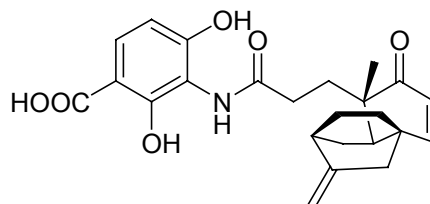


Platencin

Code: **BIA-P1178**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms :

Specifications

CAS #	: 869898-86-2
Molecular Formula	: C₂₄H₂₇NO₆
Molecular Weight	: 425.2
Source	: <i>Streptomyces</i> sp. MST-AS5989
Appearance	: Light tan solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Platencin is a more potent analogue of Platensimycin also discovered from a strain of *Streptomyces platensis*. Platencin shows potent *in vivo* efficacy without any observed toxicity. Platencin targets two essential proteins, β -ketoacyl-acyl carrier protein (ACP) synthase II (FabF) and III (FabH) whereas platensimycin targets only FabF.

References

1. Isolation and Structure of Platencin: A FabH and FabF Dual Inhibitor with Potent Broad-Spectrum Antibiotic Activity. Jayasuriya H. et al., Angew. Chem. Int. Ed. **2007**, 46, 4684.
2. Discovery of platencin, a dual FabF and FabH inhibitor with *in vivo* antibiotic properties. Wang J. et al., PNAS **2007**, 104, 7612.