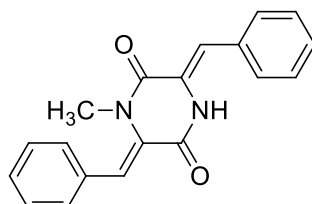


Piperafizine A

Code No.: **BIA-P1156**

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



Synonyms : 3,6-Dibenzylidene-1-methyl-2,5-dioxopiperazine

Specifications

CAS #	: 130603-59-7
Molecular Formula	: C ₁₉ H ₁₆ N ₂ O ₂
Molecular Weight	: 304.3
Source	: <i>Streptomyces</i> sp.
Appearance	: Pale lemon solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Piperafizine A is a methylated diketopiperazine formed by the condensation of phenylalanine, produced by a number of species in the *Streptomyces* genus. Piperafizine A exhibits little activity in vitro but potentiates vincristine antitumor potency. The mechanism of action has not been characterised.

References

1. Piperafizine A and B, potentiators of cytotoxicity to vincristine. Kamei, H. et al., J. Antibiot., 1990, 43, 1018