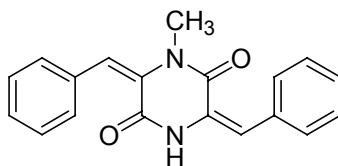


## Piperafazine A

Code: **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<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>**  
Molecular Weight : **304.3**  
Source : ***Streptomyces* sp. MST-AS6020**  
Appearance : **Pale lemon solid**  
Purity : **> 99% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility**

### Application Notes

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

### References

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