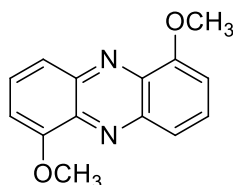


1,6-Dimethoxyphenazine

Code No.: **BIA-D1523**

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



Synonyms : Crystalloiodinine B

Specifications

CAS #	: 13398-79-3
Molecular Formula	: C₁₄H₁₂N₂O₂
Molecular Weight	: 240.3
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

1,6-Dimethoxyphenazine is a simple phenazine produced by several species of *Streptomyces*. Dimethoxyphenazine is a weakly active antibacterial metabolite with activity against mycobacteria. Dimethoxyphenazine and related phenazines are important dereplication standards in discovery research to eliminate leads due to high amounts of weakly potent actives.

References

1. Phenazines, phenoxazinones and dioxopiperazines from *Streptomyces thioluteus*. Gerber N.N. J. Org. Chem. 1967, 32, 4055.
2. Phenazine natural products: Biosynthesis, synthetic analogues, and biological activity. Laursen J.B. & Nielsen J. Chem. Rev. 2004, 104, 1663.