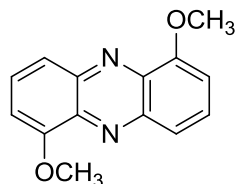


## 1,6-Dimethoxyphenazine

Code No.: **BIA-D1523**

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



Synonyms : Crystalloiodinine B

### Specifications

CAS # : **13398-79-3**  
Molecular Formula : **C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>**  
Molecular Weight : **240.3**  
Source : ***Streptomyces* sp.**  
Appearance : **Yellow solid**  
Purity : **>98% 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.

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