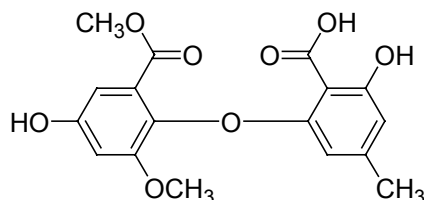


## Asterric Acid

Code: **BIA-A1008**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Dimethylsoic acid, Antibiotic TAN 1415A, Antibiotic WF 12880A**

## Specifications

CAS # : **577-64-0**  
Molecular Formula : **C<sub>17</sub>H<sub>16</sub>O<sub>8</sub>**  
Molecular Weight : **348.3**  
Source : ***Aspergillus terreus* MST-FP1370**  
Appearance : **White Lyophilisate**  
Purity : **> 99% by HPLC**  
Long Term Storage : **+4°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

## Application Notes

A fungal metabolite, asterric acid is isolated from a number of *Aspergillus* and *Penicillium* species. It is an inhibitor of vascular endothelial growth factor (VEGF). Asterric acid is an angiogenesis inhibitor acting on VEGF-induced tube formation of human umbilical vein endothelial cells.

## References

1. Fungal metabolites, asterric acid derivatives inhibit vascular endothelial growth factor (VEGF)-induced tube formation of HUVECs. Lee H.J. et al. *J. Antibiot.* **2002**, 55, 552.
2. Asterric acid, a new endothelin binding inhibitor. Ohashi H. et al. *J. Antibiot.* **1992**, 45, 1684.
3. Studies in the biochemistry of micro-organisms. 115. Metabolites of *Penicillium frequentans* Westling: isolation of sulochrin, asterric acid, (+)-bisdechlorogeodin and two new substituted anthraquinones, questin and questinol. Mahmoodian A. et al. *Biochem. J.* **1964**, 92, 369.