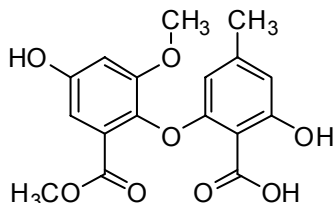


Asterric Acid

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 : **C₁₇H₁₆O₈**
Molecular Weight : **348.3**
Source : ***Aspergillus terreus* MST-FP1370**
Appearance : **White solid**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C, protect from light**
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.