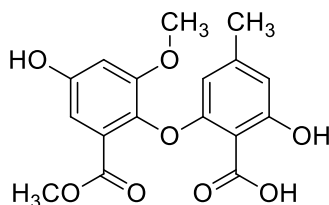


Asterric Acid

Code No.: **BIA-A1008**

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



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

Specifications

CAS #	: 577-64-0
Molecular Formula	: C₁₇H₁₆O₈
Molecular Weight	: 348.3
Source	: <i>Aspergillus terreus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Asterric acid is a fungal metabolite with anti-angiogenic properties, isolated from a number of *Aspergillus* and *Penicillium* species. It is an inhibitor of vascular endothelial growth factor (VEGF), inhibiting 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.