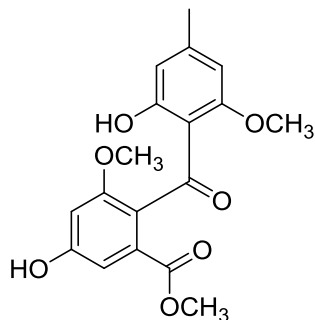


## Monomethylsulochrin

Code No.: **BIA-M1889**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : 1,2-Secotrypacidin, Methylsulochrin, Methyl-Sulochrin

### Specifications

CAS #	: 10056-14-1
Molecular Formula	: C <sub>18</sub> H <sub>18</sub> O <sub>7</sub>
Molecular Weight	: 346.3
Source	: <i>Aspergillus fumigatus</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

### Application Notes

Monomethylsulochrin is a benzophenone isolated from *Aspergillus fumigatus* by Turner, ICI Ltd in 1965. Monomethylsulochrin inhibits eosinophil degranulation. Its dimethyl analogue, sulochrin, inhibits VEGF leading to inhibition of capillary-like tube formation of human umbilical vein endothelial cells (HUVEC).

### References

1. The production of trypacidin and monomethylsulochrin by *Aspergillus fumigatus*. Turner W.B. J. Chem. Soc. 1965, 6658.
2. Effects of ortho-substituent groups of sulochrin on inhibitory activity to eosinophil degranulation. Ohashi H. et al., Bioorg. Med. Chem. Lett. 1999, 9, 1945.
3. 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.