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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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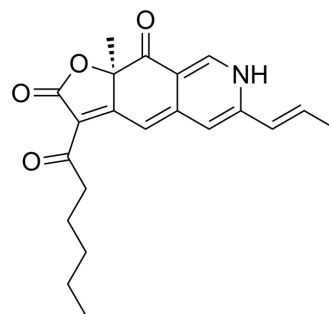
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Rubropunctamine

| | |
|---------------------------|---|
| Cat. No.: | HY-N6643 |
| CAS No.: | 514-66-9 |
| Molecular Formula: | C ₂₁ H ₂₃ NO ₄ |
| Molecular Weight: | 353.41 |
| Target: | Fungal; Bacterial; EBV |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| Description | |
|--------------------|--|
| Description | Rubropunctamine is a red Monascus pigment. Not only Rubropunctamine exerts antibiotic action against bacteria but also against some yeast and filamentous fungi strains. Rubropunctamine has potential embryotoxicity and teratogenicity ^[1] . |
| In Vitro | Rubropunctamine (0.32-32 nM; 48 h) inhibits Epstein-Barr virus early antigen (EBV-EA) activation induced by 12-O-tetradecanoylphorbol-13-acetate (TPA), with an IC ₅₀ of 433 mol ratio/32 pmol TPA ^[2] . Rubropunctamine (1 h) exhibits moderate scavenging activity (inhibitory ratio (IR)=1.5) against NO generation by (±)-(E)-methyl-2[(E)-hydroxy-imino]-5-nitro-6-methoxy-3-hexemide (NOR 1) in normal human hepato cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| In Vivo | Rubropunctamine inhibits TPA-induced inflammation in mice, with an ID ₅₀ of 0.32 mg/ear ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Martinkova L, et al. Biological activity of polyketide pigments produced by the fungus *Monascus*[J]. *Journal of Applied Bacteriology*, 1995, 79(6): 609-616.
- [2]. Akihisa T, et, al. Azaphilones, furanoisophthalides, and amino acids from the extracts of *Monascus pilosus*-fermented rice (red-mold rice) and their chemopreventive effects. *J Agric Food Chem*. 2005 Feb 9;53(3):562-5.
- [3]. Patakova P. *Monascus* secondary metabolites: production and biological activity. *J Ind Microbiol Biotechnol*. 2013 Feb;40(2):169-81.

Caution: Product has not been fully validated for medical applications. For research use only.

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