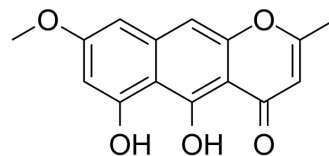


Rubrofusarin

| | |
|--------------------|---|
| Cat. No.: | HY-130307 |
| CAS No.: | 3567-00-8 |
| Molecular Formula: | C ₁₅ H ₁₂ O ₅ |
| Molecular Weight: | 272.25 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Rubrofusarin is an orange polyketide pigment from *Fusarium graminearum*^[1]. Rubrofusarin is also an active ingredient of the *Cassia* species and ameliorates chronic restraint stress (CRS) -induced depressive symptoms through PI3K/Akt signaling. Rubrofusarin has anticancer, antibacterial, and antioxidant effects^{[2][3]}.

REFERENCES

- [1]. Peter Rugbjerg, et al. Reconstruction of the biosynthetic pathway for the core fungal polyketide scaffold rubrofusarin in *Saccharomyces cerevisiae*. *Microb Cell Fact.* 2013 Apr 4;12:31.
- [2]. Jee Hyun Yi, et al. Rubrofusarin Attenuates Chronic Restraint Stress-Induced Depressive Symptoms. *Int J Mol Sci.* 2020 May 13;21(10):3454.
- [3]. Hiroshi Tanaka, et al. The Chemical Constitution of Rubrofusarin, a Pigment from *Fusarium graminearum*. *Agricultural and Biological Chemistry*, 26:11, 767-770.

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

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