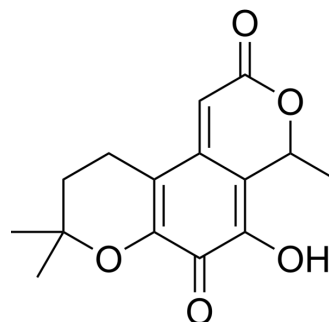


## Fuscin

<b>Cat. No.:</b>	HY-111321
<b>CAS No.:</b>	83-85-2
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>16</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	276.28
<b>Target:</b>	CCR; HIV; Bacterial; Mitochondrial Metabolism; Endogenous Metabolite; Oxidative Phosphorylation
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation; Anti-infection; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Fuscin, a fungal metabolite, CCR5 receptor antagonist with anti-HIV effects. Fuscin is a respiration and oxidative phosphorylation inhibitor, and also a mitochondrial SH-dependent transport-linked functions inhibitor <sup>[1][2][3]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	HIV	CCR5	Microbial Metabolite

### REFERENCES

- [1]. K Yoganathan, et al. 10-Methoxydihydrofuscin, fuscinarin, and fuscin, novel antagonists of the human CCR5 receptor from *Oidiodendron griseum*. *J Nat Prod.* 2003 Aug;66(8):1116-7.
- [2]. K S Cheah. Fuscin, an inhibitor of respiration and oxidative phosphorylation in ox-neck muscle mitochondria. *Biochim Biophys Acta.* 1972 Jul 12;275(1):1-9.
- [3]. P M Vignais, et al. Fuscin, an inhibitor of mitochondrial SH-dependent transport-linked functions. *Biochim Biophys Acta.* 1973 Dec 14;325(3):357-74.

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

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