# Bikaverin

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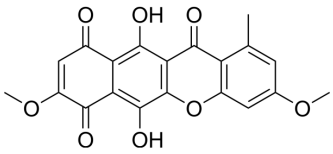
| **Cat. No.:** | HY-121004 |
| **CAS No.:** | 33390-21-5 |
| **Molecular Formula:** | $C_{20}H_{14}O_8$ |
| **Molecular Weight:** | 382.32 |
| **Target:** | Fungal; Antibiotic |
| **Pathway:** | Anti-infection |
| **Storage:** | Powder -20°C 3 years<br>In solvent -80°C 6 months<br>-20°C 1 month |



## BIOLOGICAL ACTIVITY

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| **Description** | Bikaverin (Lycopersin) is a reddish pigment produced by different fungal species. Bikaverin shows antibiotic properties against certain protozoa and fungi[1]. |
| **In Vitro** | Chemically, Bikaverin (Lycopersin) is a polyketide with a tetracyclic benzoxanthone structure, resulting from the activity of a specific class I multifunctional polyketide synthase and subsequent group modifications introduced by a monooxygenase and an O-methyltransferase[1].<br>Bikaverin is a reddish polyketide pigment produced by Gibberella fujikuroi in addition to large amounts of gibberellins[2].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. Limón MC, et al. Bikaverin production and applications. Appl Microbiol Biotechnol. 2010;87(1):21-29.

[2]. Lale GJ, Gadre RV. Production of bikaverin by a Fusarium fujikuroi mutant in submerged cultures. AMB Express. 2016;6(1):34.



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