



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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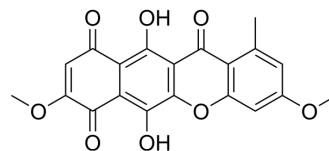
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## Bikaverin

Cat. No.:	HY-121004	
CAS No.:	33390-21-5	
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> O <sub>8</sub>	
Molecular Weight:	382.32	
Target:	Fungal; Antibiotic	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 0.5 mg/mL (1.31 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6156 mL	13.0780 mL	26.1561 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Bikaverin (Lycopersin) is a reddish pigment produced by different fungal species. Bikaverin shows antibiotic properties against certain protozoa and fungi<sup>[1]</sup>.

#### 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<sup>[1]</sup>.

Bikaverin is a reddish polyketide pigment produced by *Gibberella fujikuroi* in addition to large amounts of gibberellins<sup>[2]</sup>. 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.

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

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