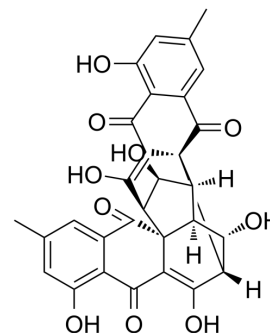


## Rugulosin

Cat. No.:	HY-129806
CAS No.:	23537-16-8
Molecular Formula:	C <sub>30</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	542.49
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Rugulosin is a crystalline colouring matter of <i>Penicillium rugulosum</i> Thom. Rugulosin shows markedly specific antibacterial activity and moderately antifungal activity <sup>[1]</sup> .
<b>In Vitro</b>	Rugulosin is very highly antibacterial active against certain bacilli, streptococci and corynebacteria, but is much less active against Gram-negative organisms <sup>[1]</sup> . Rugulosin completely inhibits the growth of <i>Pythium intermedium</i> de Bary at a concentration of 1: 50000 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. BREEN J, et al. Studies in the biochemistry of micro-organisms. 95. Rugulosin, a crystalline colouring matter of *Penicillium rugulosum* Thom. *Biochem J.* 1955 Aug;60(4):618-26.

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

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