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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Actagardin

Cat. No.:	HY-P2331
CAS No.:	59165-34-3
Molecular Formula:	C ₈₁ H ₁₂₄ N ₂₀ O ₂₄ S ₄
Molecular Weight:	1890.23
Sequence:	{Cys}{Ser}{Gly}{Trp}{Val}{Cys}{Cys}{Leu}{Cys}{Ile}{Cys}{Gly}{Cys}{Val}{Ile}{Cys}{Ala}{Cys} (Carba sulfide bridge:Cys1-Cys6,Cys7-Cys12,Cys9-Cys17,Cys14-Cys19)
Sequence Shortening:	CSGWCCCLCICGCVICAC (Carba sulfide bridge:Cys1-Cys6,Cys7-Cys12,Cys9-Cys17,Cys14-Cys19)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Actagardin is a tetracyclic lantibiotic produced by several species of Actinoplanes. It is composed of macrocyclic rings formed by thioether bridges. Actagardin preferably targets Gram-positive bacteria, inhibiting the synthesis of peptidoglycan.

REFERENCES

[1]. Brötz, et al. New insights into the mechanism of action of lantibiotics—diverse biological effects by binding to the same molecular target. *J. Antimicrob. Chemother.* 46(1), 1-6 (2000).

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

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