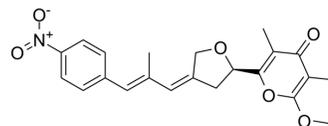


## Aureothin

Cat. No.:	HY-121291
CAS No.:	2825-00-5
Molecular Formula:	C <sub>22</sub> H <sub>23</sub> NO <sub>6</sub>
Molecular Weight:	397.42
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Aureothin, is a natural polyketide, is a HIV inhibitor with an IC <sub>50</sub> of 5.3 nM. Aureothin is a microbial biolarvicide <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	HIV 5.3 nM (IC <sub>50</sub> )
In Vitro	Aureothin shows larvicidal activity against <i>A. aegypti</i> with a LC <sub>50</sub> value of 1.5 ppm for 24 h post-treatment, and 3.8 ppm for 48 h post-treatment <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Seong Jong Kim, et al. *Streptomyces distallicus*, a Potential Microbial Biolarvicide. *J Agric Food Chem.* 2022 Sep 14;70(36):11274-11280.

[2]. Alexander Herrmann, et al. Potent inhibition of HIV replication in primary human cells by novel synthetic polyketides inspired by Aureothin. *Sci Rep.* 2020 Jan 28;10(1):1326.

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

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