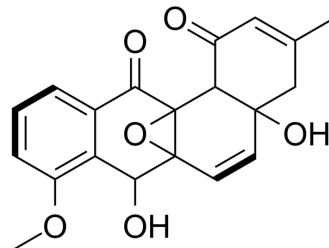


## Saccharothrixin F

Cat. No.:	HY-N10210
Molecular Formula:	C <sub>20</sub> H <sub>18</sub> O <sub>6</sub>
Molecular Weight:	354.35
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Saccharothrixin F is a highly oxygenated saccharothrixin, with antibacterial and anti-inflammatory activities <sup>[1]</sup> .
In Vitro	Saccharothrixin F (Compound 3) shows antibacterial activity against <i>Helicobacter pylori</i> with a MIC value of 32 µg/mL. Saccharothrixin F also revealed anti-inflammatory activity by inhibiting the production of NO with an IC <sub>50</sub> value of 28 µM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Qiyao Shen, et al. Genome-Guided Discovery of Highly Oxygenated Aromatic Polyketides, Saccharothrixins D-M, from the Rare Marine Actinomycete *Saccharothrix* sp. D09. *J Nat Prod.* 2021 Nov 26;84(11):2875-2884.

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

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