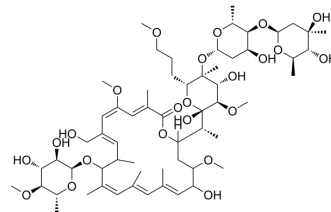


## Amycolatopsin A

Cat. No.:	HY-N11048
CAS No.:	2209112-96-7
Molecular Formula:	C <sub>60</sub> H <sub>98</sub> O <sub>23</sub>
Molecular Weight:	1187.41
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Amycolatopsin A is a 20-membered macrolide, that can be isolated from a strain of the rare actinomycete Amycolatopsis sp. MSTØ108494. Amycolatopsin A shows antimycobacterial activity against Mycobacterium bovis (BCG) and M. tuberculosis (H37Rv) with IC <sub>50</sub> values of 0.4 µM and 4.4 µM, respectively <sup>[1]</sup> .
<b>In Vitro</b>	Amycolatopsin A displays significant cytotoxicity against human colon carcinoma (SW620) and lung carcinoma (NCIH-460) cell lines with IC <sub>50</sub> values of 0.08 µM and 1.2 µM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Al-Fadhli AA, et al. Macrolides from rare actinomycetes: Structures and bioactivities. Int J Antimicrob Agents. 2022 Feb;59(2):106523.

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

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