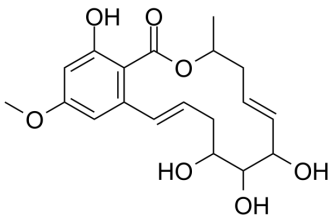
LL-Z1640-4

Cat. No.:	HY-120349
CAS No.:	66018-41-5
Molecular Formula:	$C_{19}H_{24}O_7$
Molecular Weight:	364.39
Target:	p38 MAPK; JNK; Apoptosis; Reactive Oxygen Species
Pathway:	MAPK/ERK Pathway; Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LL-Z1640-4 is a potent p38/JNK signaling inhibitor. LL-Z1640-4 significantly diminishes p38 and JNK activation in HCC cells transfected with MLK4 siRNA. LL-Z1640-4 markedly attenuates ROS production induced by MLK4 knockdown. LL-Z1640-4 significantly reduces the apoptotic cells in HCC cells transfected with siMLK4[1][2].
In Vitro	LL-Z1640-4 markedly restores the number of cells in migration and invasion decreased by siMLK4, and significantly up-regulates expression of MMP2 and Vimentin[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ellestad George A, et al. New zearalenone related macrolides and isocoumarins from an unidentified fungus. The Journal of Organic Chemistry, 1978,43(12):2339–2343.

[2]. Li Y, Zuo H, Wang H, Hu A. Decrease of MLK4 prevents hepatocellular carcinoma (HCC) through reducing metastasis and inducing apoptosis regulated by ROS/MAPKs signaling. Biomed Pharmacother. 2019 Aug;116:108749.

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