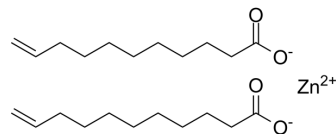


10-Undecenoic acid zinc salt

Cat. No.:	HY-B0914A
CAS No.:	557-08-4
Molecular Formula:	C ₂₂ H ₃₈ O ₄ Zn
Molecular Weight:	431.91
Target:	Fungal; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : < 1 mg/mL (insoluble or slightly soluble) H ₂ O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
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BIOLOGICAL ACTIVITY

Description	10-Undecenoic acid zinc salt is a RNA-dependent RNA polymerase (RdRp) inhibitor, with an IC ₅₀ of 1.13, 21.33 and 1.79 μM for WT-RdRp, D535ARdRp and D692A-RdRp, respectively. 10-Undecenoic acid zinc salt reduces infectious virus yield in Huh7 cells with an EC ₅₀ of 7.43 μM. 10-Undecenoic acid zinc salt has anti-infective and anti-fungal activity. 10-Undecenoic acid zinc salt can be used for the research of Zika virus (ZIKV) ^{[1][2]} .	
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IC₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite
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REFERENCES

- [1]. Lin Y, et al. Identification and characterization of Zika virus NS5 RNA-dependent RNA polymerase inhibitors. *Int J Antimicrob Agents*. 2019 Oct;54(4):502-506.
- [2]. Brayden DJ, et al. Efficacious intestinal permeation enhancement induced by the sodium salt of 10-undecylenic acid, a medium chain fatty acid derivative. *AAPS J*. 2014 Sep;16(5):1064-76.

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

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