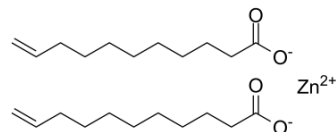


## 10-Undecenoic acid zinc salt

<b>Cat. No.:</b>	HY-B0914A		
<b>CAS No.:</b>	557-08-4		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>38</sub> O <sub>4</sub> Zn		
<b>Molecular Weight:</b>	431.91		
<b>Target:</b>	Fungal; Antibiotic		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 4.4 mg/mL (10.19 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		2.3153 mL	11.5765 mL	23.1530 mL
	5 mM		0.4631 mL	2.3153 mL	4.6306 mL
	10 mM		0.2315 mL	1.1576 mL	2.3153 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

10-Undecenoic acid zinc salt is a natural or synthetic fungistatic fatty acid, is used topically in creams against fungal infections, eczemas, ringworm, and other cutaneous conditions. The zinc provides an astringent action.

### REFERENCES

[1]. 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.

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

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