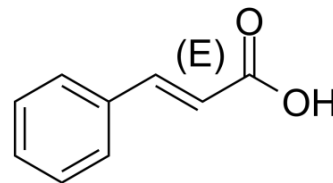


trans-Cinnamic acid

Cat. No.:	HY-N0610		
CAS No.:	140-10-3		
Molecular Formula:	C ₉ H ₈ O ₂		
Molecular Weight:	148.16		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	trans-Cinnamic acid is a natural antimicrobial, with minimal inhibitory concentration (MIC) of 250 µg/mL against fish pathogen <i>A. sobria</i> , SY-AS1 ^[1] .
IC₅₀ & Target	Bacterial ^[1]
In Vitro	trans-Cinnamic acid is an antimicrobial activity, with minimal inhibitory concentration (MIC) of 250 µg/mL against fish pathogen <i>A. sobria</i> , SY-AS1. trans-cinnamic acid shows moderate inhibition on the rainbow trout intestinal isolates <i>A. sobria</i> SY-AS3 and <i>S. baltica</i> , SY-S145, gill isolate <i>F. spartansii</i> SY-FS1 and fish pathogens <i>A. salmonicida</i> ATCC 33658, <i>Listonella anguillarum</i> , SY-L24, <i>V. crassostreae</i> SY-VC10 and <i>Y. ruckeri</i> E42. trans-cinnamic acid is more effective on bacteria when the pH of the culture media is not neutralized ^[1] .

REFERENCES

[1]. Yilmaz S, et al. Antimicrobial activity of trans-cinnamic acid and commonly used antibiotics against important fish pathogens and nonpathogenic isolates. *J Appl Microbiol.* 2018 Sep 4.

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

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