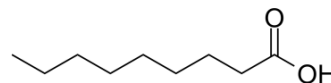


Nonanoic acid

Cat. No.:	HY-N7057
CAS No.:	112-05-0
Molecular Formula:	C ₉ H ₁₈ O ₂
Molecular Weight:	158.24
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Nonanoic acid is a naturally-occurring saturated fatty acid with nine carbon atoms. Nonanoic acid significantly reduces bacterial translocation, enhances antibacterial activity, and remarkably increases the secretion of porcine β -defensins 1 (pBD-1) and pBD-2^[1].

In Vitro

Nonanoic acid upregulates endogenous host defense peptides to enhance intestinal epithelial immunological barrier function via histone deacetylase inhibition^[1].

REFERENCES

[1]. Wang J, et al. Caprylic acid and nonanoic acid upregulate endogenous host defense peptides to enhance intestinal epithelial immunological barrier function via histone deacetylase inhibition. *Int Immunopharmacol.* 2018 Dec;65:303-311.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA