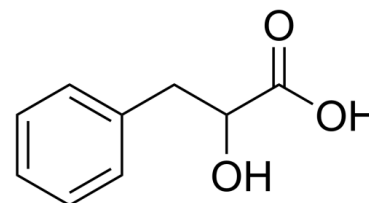


## Data Sheet

<b>Product Name:</b>	DL-3-Phenyllactic acid
<b>Cat. No.:</b>	CS-W017878
<b>CAS No.:</b>	828-01-3
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	166.18
<b>Target:</b>	Bacterial; Endogenous Metabolite
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease
<b>Solubility:</b>	DMSO : 125 mg/mL (752.20 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

DL-3-Phenyllactic acid is a broad-spectrum antimicrobial compound. **In Vitro:** DL-3-Phenyllactic acid (3-Phenyllactic acid, PLA), which is an organic acid widely existing in honey and lactic acid bacteria fermented food, can be produced by many microorganisms, especially lactic acid bacteria. DL-3-Phenyllactic acid is proved as an ideal antimicrobial compound with broad and effective antimicrobial activity against both bacteria and fungi. In addition, DL-3-Phenyllactic acid can be used as feed additives to replace antibiotics in livestock feeds<sup>[1]</sup>.

### References:

[1]. Mu W, et al. Recent research on 3-phenyllactic acid, a broad-spectrum antimicrobial compound. Appl Microbiol Biotechnol. 2012 Sep;95(5):1155-63.

### CAIndexNames:

Benzenepropanoic acid,α-hydroxy-

### SMILES:

O=C(O)C(O)CC1=CC=CC=C1

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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