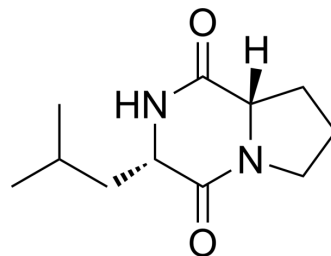


Cyclo(L-Leu-L-Pro)

Cat. No.:	HY-P1939
CAS No.:	2873-36-1
Molecular Formula:	C ₁₁ H ₁₈ N ₂ O ₂
Molecular Weight:	210.27
Target:	Fungal
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1188.95 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.7558 mL	23.7789 mL	47.5579 mL
	5 mM	0.9512 mL	4.7558 mL	9.5116 mL
	10 mM	0.4756 mL	2.3779 mL	4.7558 mL

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

BIOLOGICAL ACTIVITY

Description

Cyclo(L-Leu-L-Pro) is an inhibitory substance targeting to production of norsolorinic acid (NA) a precursor of aflatoxin which can be isolated from *A. xylosoxidans* NFRI-A1. Cyclo(L-Leu-L-Pro) inhibits accumulation of NA by *A. parasiticus* NFRI-95 and inhibits spore formation. Cyclo(L-Leu-L-Pro) inhibits aflatoxin production with an IC₅₀ of 0.2 mg/mL in *A. parasiticus* SYS-4^[1].

REFERENCES

[1]. Yan PS, et al. Cyclo(L-leucyl-L-prolyl) produced by *Achromobacter xylosoxidans* inhibits aflatoxin production by *Aspergillus parasiticus*. *Appl Environ Microbiol.* 2004 Dec;70(12):7466-73.

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

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