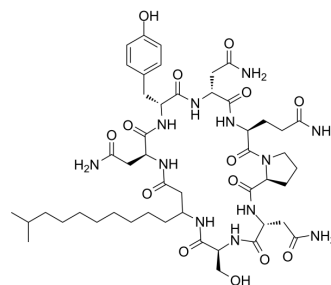


Iturin A

Cat. No.:	HY-P2322
CAS No.:	52229-90-0
Molecular Formula:	C ₄₈ H ₇₄ N ₁₂ O ₁₄
Molecular Weight:	1043.17
Sequence:	cyclo[D-Asn-Gln-Pro-D-Asn-Ser-Unk-Asn-D-Tyr]
Target:	Fungal
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



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

SOLVENT & SOLUBILITY

In Vitro

Ethanol : 5 mg/mL (4.79 mM; Need ultrasonic)
 H₂O : 1 mg/mL (0.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.9586 mL	4.7931 mL	9.5862 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

IturinA exhibits strong antifungal activity against pathogenic yeast and fungi. Iturin A interacts with the cytoplasmic membrane of the target cell forming ion conducting pores.

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

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