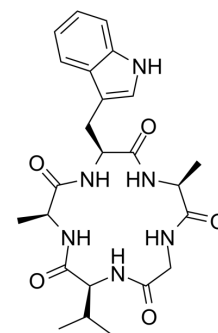


Segetalin B

Cat. No.:	HY-107245
CAS No.:	164991-89-3
Molecular Formula:	C ₂₄ H ₃₂ N ₆ O ₅
Molecular Weight:	484.55
Sequence Shortening:	Cyclo(AGVAW)
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Sealed storage, away from moisture and light
	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)

SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (515.94 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.0638 mL	10.3189 mL	20.6377 mL
		5 mM		0.4128 mL	2.0638 mL	4.1275 mL
10 mM		0.2064 mL	1.0319 mL	2.0638 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.29 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.29 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Segetalin B, a cyclopentapeptide from <i>Vaccaria segetalis</i> , possesses estrogen-like activity ^{[1][2]} .
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CUSTOMER VALIDATION

- Drug Dev Res. 2022 Oct 7

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. HiroshiMorita, et al. Segetalins B, C and D, three new cyclic peptides from Vaccaria segetalis. Tetrahedron Volume 51, Issue 21, 22 May 1995, Pages 6003-6014.
- [2]. PascalSonnet, et al. First synthesis of segetalins B and G: two cyclopentapeptides with estrogen-like activity. Tetrahedron Letters. Volume 44, Issue 16, 14 April 2003, Pages 3293-3296
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Caution: Product has not been fully validated for medical applications. For research use only.

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