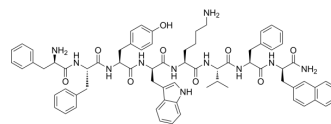


BIM-23056

Cat. No.:	HY-P1203
CAS No.:	150155-61-6
Molecular Formula:	C ₇₁ H ₈₁ N ₁₁ O ₉
Molecular Weight:	1232.47
Sequence Shortening:	FFYWKVF-[D-2-Nal]-NH ₂
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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	DMSO : 100 mg/mL (81.14 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.8114 mL	4.0569 mL	8.1138 mL
		5 mM		0.1623 mL	0.8114 mL	1.6228 mL
	10 mM		0.0811 mL	0.4057 mL	0.8114 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: ≥ 2.5 mg/mL (2.03 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.03 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BIM 23056, a linear octapeptide, is a potent sst3 and sst5 somatostatin receptor antagonist with K _i values of 10.8, 5.7, respectively ^[1] .	
IC₅₀ & Target	SSTR3	SSTR5
In Vitro	BIM 23056 has K _i values of 142, 16.6, >1000 for sst1, sst4, sst2, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

- [1]. Y C Patel, et al. Subtype selectivity of peptide analogs for all five cloned human somatostatin receptors (hsstr 1-5). *Endocrinology*. 1994 Dec;135(6):2814-7.
- [2]. W Feniuk, et al. Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and right atrium. *Br J Pharmacol*. 1995 Jul;115(6):975-80.
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Caution: Product has not been fully validated for medical applications. For research use only.

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