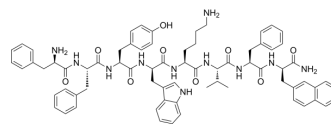


BIM-23056

| | |
|----------------------|----------------------------------------------------------------|
| 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 Concentration | Mass | 1 mg | 5 mg | 10 mg | |
| | | | | 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] . | |
| IC ₅₀ & 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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