

Seglitide

Cat. No.:	HY-106103
CAS No.:	81377-02-8
Molecular Formula:	C ₄₄ H ₅₆ N ₈ O ₇
Molecular Weight:	808.96
Sequence:	Cyclo({Ala(Me)}-Tyr-[d-Trp]-Lys-Val-Phe)
Sequence Shortening:	Cyclo({Ala(Me)}-Y-[d-Trp]-KVF)
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Seglitide (MK-678) is a potent somatostatin receptor 2 (SSTR ₂) agonist and also a competitive antagonist of SSTR ₁₄ , SSTR ₂₅ , and SSTR ₂₈ ^{[1][2]} .
IC ₅₀ & Target	SSTR2

REFERENCES

- [1]. Dimech J, et al. Antagonist effects of seglitide (MK 678) at somatostatin receptors in guinea-pig isolated right atria. *Br J Pharmacol.* 1993;109(4):898-899.
- [2]. Bhattarai J P, Kaszas A, Park S A, et al. Somatostatin inhibition of gonadotropin-releasing hormone neurons in female and male mice[J]. *Endocrinology*, 2010, 151(7): 3258-3266.

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

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