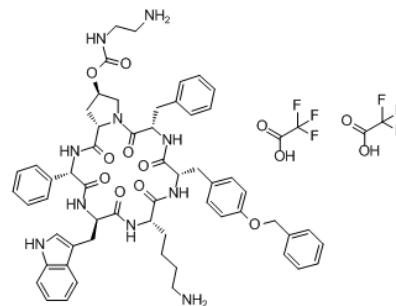


Product Name : Pasireotide ditrifluoroacetate
Cat. No. : PC-45999
CAS No. :
Molecular Formula : C₆₂H₆₈F₆N₁₀O₁₃
Molecular Weight : 1275.253
Target : Somatostatin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Pasireotide ditrifluoroacetate (SOM230) is a potent, stable cyclohexapeptide somatostatin mimic that exhibits unique high-affinity binding to human **somatostatin receptors** (pK_i=8.2/9.0/9.1/<7.0/9.9 for sst1/2/3/4/5, respectively). Pasireotide effectively inhibits GHRH-induced growth hormone release in primary cultures of rat pituitary cells with IC₅₀ of 0.4 nM, also potently suppresses GH secretion in rats.

References

- Lewis I, et al. *J Med Chem*. 2003 Jun 5;46(12):2334-44.
Bruns C, et al. *Eur J Endocrinol*. 2002 May;146(5):707-16.
Hofland LJ, et al. *Eur J Endocrinol*. 2005 Apr;152(4):645-54.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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