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Data Sheet

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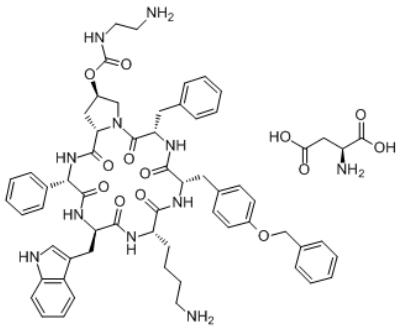
Product Name : Pasireotide L-aspartate salt
Cat. No. : PC-46000
CAS No. : 396091-77-3
Molecular Formula : $C_{62}H_{73}N_{11}O_{13}$
Molecular Weight : 1180.309
Target : Somatostatin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Pasireotide (SOM230) L-aspartate is a potent, stable cyclohexapeptide somatostatin mimic that exhibits unique high-affinity binding to human **somatostatin receptors** (pKi=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!

E-mail: tech@probechem.com