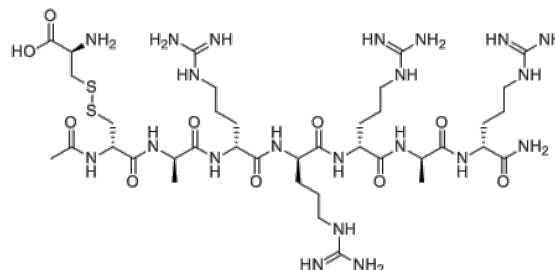


Product Name : Velcalcetide
Cat. No. : PC-63560
CAS No. : 1262780-97-1
Molecular Formula : C₃₈H₇₃N₂₁O₁₀S₂
Molecular Weight : 1048.259
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

Velcalcetide (AMG-416, Velcalcetide, Etelcalcetide, KAI-4169) is a potent, peptide agonist of **CaSR**, dose-dependently increases IP1 accumulation with EC₅₀ of 25 uM in cell based assays.

Velcalcetide reduces parathyroid hormone (PTH) levels and corresponding decreases serum calcium, regardless of the baseline level of PTH in vivo.

References

Walter S, et al. *J Pharmacol Exp Ther*. 2013 Aug;346(2):229-40.

Martin KJ, et al. *Kidney Int*. 2014 Jan;85(1):191-7.

Walter S, et al. *BMC Nephrol*. 2014 May 19;15:81.

Martin KJ, et al. *Nephrol Dial Transplant*. 2014 Feb;29(2):385-92.

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

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