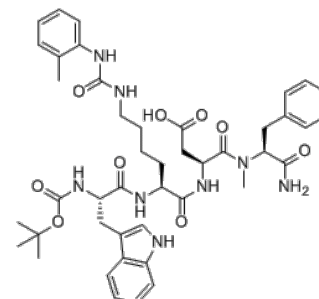


Product Name : A71623
Cat. No. : PC-22020
CAS No. : 130408-77-4
Molecular Formula : C₄₄H₅₆N₈O₉
Molecular Weight : 840.98
Target : Cholecystikinin Receptor
Solubility : 10 mM in DMSO



Biological Activity

A-71623 (A71623) is a cholecystikinin tetrapeptide (30-33) analogue as potent, highly selective CCK-A (CCK1) cholecystikinin receptor agonist with binding IC₅₀ of 3.7 nM, >1000-fold selective over CCK-B receptor.

A-71623 exhibits IC₅₀ values for A-71623 and A-70874 were 3.7 and 4.9 nM in guinea pig pancreas (CCK-A) and 4500 and 710 nM in cerebral cortex (CCK-B), respectively, in radioligand binding assays.

In daily injection studies, the anorectic activity of CCK-8 diminished rapidly, whereas the suppressant effects of A71623 on food intakes and body weight gains persisted throughout the 11-day treatment period.

A71623 reduced the spontaneous locomotor activity of rats at doses above those required to suppress intakes.

References

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Asin KE, et al. Am J Physiol. 1992 Jul;263(1 Pt 2):R125-35.

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

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