CSD-CH2(1,8)-NH2

Cat. No.:	HY-P5756
CAS No.:	3032600-19-1
Molecular Formula:	$C_{76}H_{125}N_{25}O_{15}S_2$
Molecular Weight:	1693.09
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	CSD-CH2(1,8)-NH2 is a selective and competitive KOR antagonist (K_i: 6.8 nM). CSD-CH2(1,8)-NH2 inhibits calcium mobilization in DRG neurons. CH2(1,8)-NH2 antagonizes the antinociceptive effect of U50,488. CSD-CH2(1,8)-NH2 can be used for research of neuropsychiatric disorders[1].
IC_{50} & Target	Ki: 6.8 nM (KOR)[1]

REFERENCES

[1]. Muratspahić E, et al. Development of a Selective Peptide κ-Opioid Receptor Antagonist by Late-Stage Functionalization with Cysteine Staples. J Med Chem. 2023 Sep 14;66(17):11843-11854.

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