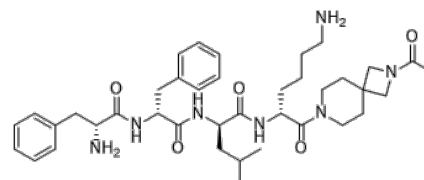


Product Name : HSK21542
Cat. No. : PC-23826
CAS No. : 2269511-95-5
Molecular Formula : C₃₉H₅₇N₇O₅
Molecular Weight : 703.93
Target : Opioid Receptor
Solubility : 10 mM in DMSO



CAS: 2269511-95-5

Biological Activity

Anrikefon (HSK21542) is a potent, selective and peripherally-restricted **kappa opioid receptor** (KOR) agonist, prevents [3H]diprenorphine binding to KOR with IC₅₀ of 0.54 nM, and binding K_d of 0.068 nM.

HSK21542 significantly inhibits forskolin-induced cAMP accumulation in HEK-293 cells that stably expressed human κ opioid receptor with an EC₅₀ of 2.41 pM.

HSK21542 displays no significant affinity against a broad panel of receptors, ion channels, transporters and enzymes, including MOR and DOR.

HSK21542 significantly inhibits acetic acid-, hindpaw incision- or chronic constriction injury-induced pain-related behaviors in animal models of pain

References

Wang X, et al. *Front Pharmacol.* 2021 Nov 16;12:773204.

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

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