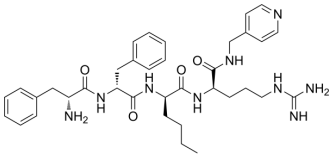
CR 665

Cat. No.:	HY-P3609
CAS No.:	228546-92-7
Molecular Formula:	$C_{36}H_{49}N_9O_4$
Molecular Weight:	671.83
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	CR 665 (JNJ 38488502) is a peripherally selective κ-opioid agonist. CR 665 can activate the kappa opioid receptor with EC_{50} value of 10.9 nM. CR 665 can be used for the research of peripheral pain[1][2].
IC_{50} & Target	C50: 10.9 nM (κ-opioid)[1]
In Vitro	CR 665 exhibits high peripheral to central nervous system (CNS) selectivity[1]. CR 665 can activate the kappa opioid receptor with EC_{50} value of 10.9 nM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Anne E Olesen, et al. A population pharmacokinetic and pharmacodynamic study of a peripheral κ-opioid receptor agonist CR665 and oxycodone. Clin Pharmacokinet

[2]. Francis M Hughes Jr, et al. Development of a Peptide-derived orally-active kappa-opioid receptor agonist targeting peripheral pain. Open Med Chem J. 2013 Nov 4;7:16-22.

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