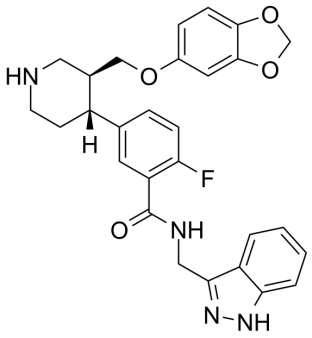
CCG258747

Cat. No.:	HY-139690
CAS No.:	2615910-00-2
Molecular Formula:	$C_{28}H_{27}FN_4O_4$
Molecular Weight:	502.54
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	CCG258747 is a selective GRK2 inhibitor (IC_{50}=18 nM) with high selectivity over GRK1, GRK5, PKA, and ROCK1 (518, 83, >5500, and >550–fold, respectively).CCG258747 also blocks the internalization of the μ-opioid receptor. G protein-coupled receptor (GPCR) kinases (GRKs) are attractive targets for the research of heart failure[1].

REFERENCES

[1]. Renee A Bouley, et al. A New Paroxetine-Based GRK2 Inhibitor Reduces Internalization of the μ-Opioid Receptor. Mol Pharmacol. 2020 Jun;97(6):392-401.

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