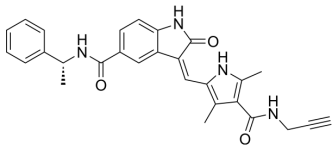
CCG-271423

Cat. No.:	HY-150039
CAS No.:	2750413-88-6
Molecular Formula:	$C_{28}H_{26}N_4O_3$
Molecular Weight:	466.53
Target:	G Protein-coupled Receptor Kinase (GRK)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CCG-271423 is a potent and selective GRK5 inhibitor with IC_{50} values of 0.0021 μM and 44 μM for GRK5 and GRK2, respectively. CCG-271423 inhibits cardiomyocyte contractility and decreases in Ca^{2+} transience[1]. CCG-271423 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
IC_{50} & Target	IC50: 0.0021 μM (GRK5) and 44 μM (GRK5)[1]
In Vitro	CCG-271423 (1 μM) does not alter cardiomyocyte contractility and decreases in Ca^{2+} transience[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rowlands R, et, al. Expanding the Arsenal: Development of G-Protein Receptor Kinase 5 Inhibitors Utilizing a Covalent Strategy.

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