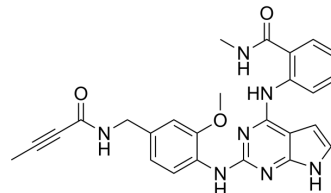


GRK5-IN-4

Cat. No.:	HY-150022
CAS No.:	2410794-89-5
Molecular Formula:	C ₂₆ H ₂₅ N ₇ O ₃
Molecular Weight:	483.52
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	GRK5-IN-4 (Compound 16d, CCG-265328) is a potent and selective covalent GRK5 (G protein-coupled receptor kinase 5) inhibitor, with an IC ₅₀ of 1.1 μM. GRK5-IN-4 shows 90-fold selectivity over GRK2. GRK5-IN-4 can be used for heart failure research ^[1] . GRK5-IN-4 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC₅₀ & Target	IC ₅₀ : 1.1 ± 0.4 μM (GRK5), 1.8 ± 2 μM (GRK6), >100 μM (GRK2) ^[1]
In Vitro	GRK5-IN-4 (Compound 16d) (0-4 h) displays a marked increase in apparent potency as a function of time ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rowlands RA, et al. Structure-Based Design of Selective, Covalent G Protein-Coupled Receptor Kinase 5 Inhibitors. ACS Med Chem Lett. 2019 Nov 12;10(12):1628-1634.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA