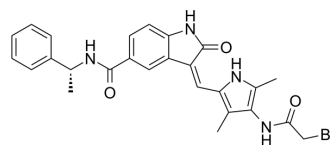


## CCG-273463

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-150040   |
| CAS No.:           | 2750413-99-9  |
| Molecular Formula: | C <sub>26</sub> H <sub>25</sub> BrN <sub>4</sub> O <sub>3</sub>                           |
| Molecular Weight:  | 521.41  |
| 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-273463 is a potent, selective and covalent GRK5 inhibitor with an IC <sub>50</sub> value of 8.6 nM. CCG-273463 can be used in the research of heart failure, hypertrophic cardiomyopathy, and cancer <sup>[1]</sup> .   |
| IC <sub>50</sub> & Target | IC <sub>50</sub> : 8.6 nM (GRK5), 12 μM (GRK2) <sup>[1]</sup> .   |
| In Vitro                  | CCG-273463 (0.02-1 μM) potently and highly inhibits GRK5 (IC <sub>50</sub> : 8.6 nM), with inhibitory rate of 93% (GRK5) and 97% (GRK6) at 1 μM <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

[1]. Rachel A Rowlands, et al. Generation of Highly Selective, Potent, and Covalent G Protein-Coupled Receptor Kinase 5 Inhibitors. J Med Chem. 2021 Jan 14;64(1):566-585.

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

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