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**Product Data Sheet**

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Product Name: CCG258747

Cat. No.: GC67907

**Chemical Properties**

Cas. No. 2615910-00-2

Formula C<sub>28</sub>H<sub>27</sub>FN<sub>4</sub>O<sub>4</sub>

M.Wt 502.54

Solubility DMSO : 100 mg/mL (198.99 mM; Need ultrasonic)

Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

CCG258747 is a selective **GRK2** inhibitor (**IC<sub>50</sub>**=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  $\mu$ -opioid receptor. G protein-coupled receptor (GPCR) kinases (GRKs) are attractive targets for the research of heart failure<sup>[1]</sup>.

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

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

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