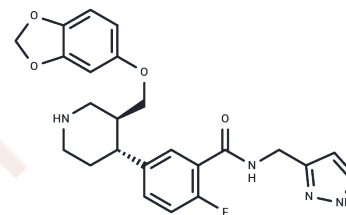


CCG258208

## Chemical Properties

CAS No. : 2055990-90-2  
 Formula: C<sub>24</sub>H<sub>25</sub>FN<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 452.48  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GRKs-IN-1 has remarkable potency against and selectivity for G protein-coupled receptor kinase 2 GRK2 (IC <sub>50</sub> : 130 nM) and GRK5 (IC <sub>50</sub> : 7.1 μM).
Targets(IC <sub>50</sub> )	GRK
In vitro	GRKs-IN-1 (Compound 14as) is a derivative 14as of paroxetine, shows a 100-fold improvement in cardiomyocyte contractility assays over paroxetine.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.210 mL	11.0502 mL	22.1004 mL
5 mM	0.442 mL	2.210 mL	4.4201 mL
10 mM	0.221 mL	1.105 mL	2.210 mL
50 mM	0.0442 mL	0.221 mL	0.442 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Waldschmidt HV, et al. Structure-Based Design of Highly Selective and Potent G Protein-Coupled Receptor Kinase 2 Inhibitors Based on Paroxetine. J Med Chem. 2017 Apr 13;60(7):3052-3069.

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