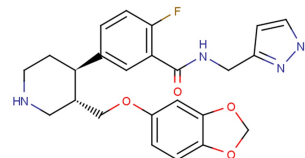


GRK2-IN-1

**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  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**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> )	GRK2: 30 nM GRK5: 7.1 μM
In vitro	GRKs-IN-1 (Compound 14as) is a derivative 14as of paroxetine, shows a 100-fold improvement in cardiomyocyte contractility assays over paroxetine.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.21 mL	11.05 mL	22.1 mL
5 mM	0.442 mL	2.21 mL	4.42 mL
10 mM	0.221 mL	1.105 mL	2.21 mL
50 mM	0.044 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. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481