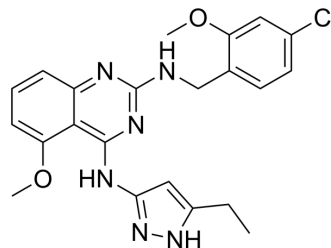


GRK6-IN-1

Cat. No.:	HY-142812		
CAS No.:	2677786-61-5		
Molecular Formula:	C ₂₂ H ₂₃ ClN ₆ O ₂		
Molecular Weight:	438.91		
Target:	G Protein-coupled Receptor Kinase (GRK)		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (113.92 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2784 mL	11.3919 mL	22.7837 mL
	5 mM	0.4557 mL	2.2784 mL	4.5567 mL
	10 mM	0.2278 mL	1.1392 mL	2.2784 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GRK6-IN-1 (compound 18) is a potent inhibitor of G protein-coupled receptor kinase 6 (GRK6) with an IC₅₀ of 120 nM. GRK6 is a critical kinase required for the survival of multiple myeloma (MM) cells. GRK6-IN-1 has the potential for the research of multiple myeloma^[1].

REFERENCES

[1]. Uehling DE, et al. Design, Synthesis, and Characterization of 4-Aminoquinazolines as Potent Inhibitors of the G Protein-Coupled Receptor Kinase 6 (GRK6) for the Treatment of Multiple Myeloma [published correction appears in J Med Chem. 2022 Jan 13;65(1):886-887]. J Med Chem. 2021;64(15):11129-11147.

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