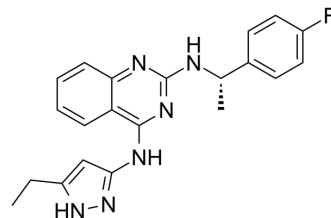


GRK6-IN-2

Cat. No.:	HY-142817		
CAS No.:	2677786-27-3		
Molecular Formula:	C ₂₁ H ₂₁ FN ₆		
Molecular Weight:	376.43		
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

Methanol : ≥ 125 mg/mL (332.07 mM)
 DMSO : ≥ 100 mg/mL (265.65 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6565 mL	13.2827 mL	26.5654 mL
	5 mM	0.5313 mL	2.6565 mL	5.3131 mL
	10 mM	0.2657 mL	1.3283 mL	2.6565 mL

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

BIOLOGICAL ACTIVITY

Description

GRK6-IN-2 (compound 10a) 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-2 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.

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