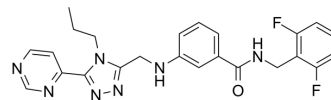


Takeda103A

Cat. No.:	HY-129118		
CAS No.:	865609-72-9		
Molecular Formula:	C ₂₄ H ₂₃ F ₂ N ₇ O		
Molecular Weight:	463.48		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (269.70 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1576 mL	10.7880 mL	21.5759 mL
	5 mM	0.4315 mL	2.1576 mL	4.3152 mL
	10 mM	0.2158 mL	1.0788 mL	2.1576 mL

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

BIOLOGICAL ACTIVITY

Description

Takeda103A is a potent inhibitor of GRK2. G protein-coupled receptors (GPCRs) are central to many physiological processes. Takeda103A has the potential for the research of heart failure^[1].

REFERENCES

[1]. Waldschmidt HV, et al. Structure-Based Design, Synthesis, and Biological Evaluation of Highly Selective and Potent G Protein-Coupled Receptor Kinase 2 Inhibitors. *J Med Chem.* 2016;59(8):3793-3807.

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

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