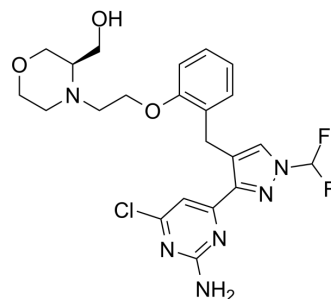


TDI-11861

Cat. No.:	HY-151798		
CAS No.:	2857049-72-8		
Molecular Formula:	C ₂₂ H ₂₅ ClF ₂ N ₆ O ₃		
Molecular Weight:	494.92		
Target:	Adenylate Cyclase		
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 (101.03 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0205 mL	10.1026 mL	20.2053 mL
5 mM	0.4041 mL	2.0205 mL	4.0411 mL
10 mM	0.2021 mL	1.0103 mL	2.0205 mL

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

BIOLOGICAL ACTIVITY

Description

TDI-11861 is second-generation soluble Adenylyl Cyclase (sAC, ADCY10) inhibitor with slow dissociation rates. TDI-11861 inhibits sAC cellular with an IC₅₀ value of 5.5 nM^[1].

IC₅₀ & Target

IC₅₀: 5.5 nM (soluble Adenylyl Cyclase)^[1]

REFERENCES

[1]. Miller M, et al. Design, Synthesis, and Pharmacological Evaluation of Second-Generation Soluble Adenylyl Cyclase (sAC, ADCY10) Inhibitors with Slow Dissociation Rates. J Med Chem. 2022 Nov 8.

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

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