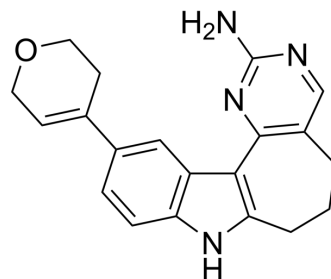


PI5P4Ky-IN-1

Cat. No.:	HY-153789
CAS No.:	2419358-87-3
Molecular Formula:	C ₂₀ H ₂₀ N ₄ O
Molecular Weight:	332.4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (300.84 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.0084 mL	15.0421 mL	30.0842 mL	
5 mM	0.6017 mL	3.0084 mL	6.0168 mL	
10 mM	0.3008 mL	1.5042 mL	3.0084 mL	

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

BIOLOGICAL ACTIVITY

Description

PI5P4Ky-IN-1 (compound 2) is a selective PI5P4Ky inhibitor. PI5P4Ky-IN-1 can be used to signal mTORC1 in MCF-7 breast cancer cells and further characterize PI5P4Ky in the cells^[1].

REFERENCES

[1]. Drewry D H, et al. Identification of a chemical probe for lipid kinase phosphatidylinositol-5-phosphate 4-kinase gamma (PI5P4K γ)[J]. Current Research in Chemical Biology, 2023, 3: 100036.

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

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