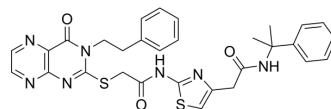


PITCOIN4

Cat. No.:	HY-156406		
Molecular Formula:	C ₃₀ H ₂₉ N ₇ O ₃ S ₂		
Molecular Weight:	599.73		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (208.43 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6674 mL	8.3371 mL	16.6742 mL	
5 mM	0.3335 mL	1.6674 mL	3.3348 mL	
10 mM	0.1667 mL	0.8337 mL	1.6674 mL	

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

BIOLOGICAL ACTIVITY

Description

PITCOIN4 is a highly selective Class II Alpha PI3K-C2 α inhibitor. PITCOIN4 shows nanomolar inhibition of PI3K-C2 α and >100-fold selectivity in a general kinase panel^[1].

REFERENCES

[1]. Murat Küçükdisli, et al. Structural Basis for Highly Selective Class II Alpha Phosphoinositide-3-Kinase Inhibition. J Med Chem. 2023 Oct 26;66(20):14278-14302.

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

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