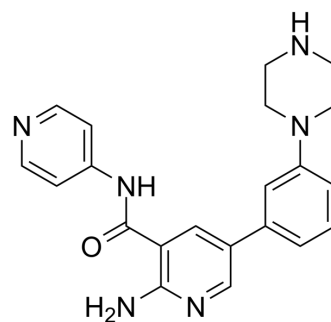


PKC-iota inhibitor 1

Cat. No.:	HY-126146		
CAS No.:	2328094-11-5		
Molecular Formula:	C ₂₁ H ₂₂ N ₆ O		
Molecular Weight:	374.44		
Target:	PKC		
Pathway:	Epigenetics; TGF-beta/Smad		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (333.83 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6707 mL	13.3533 mL	26.7065 mL
5 mM	0.5341 mL	2.6707 mL	5.3413 mL
10 mM	0.2671 mL	1.3353 mL	2.6707 mL

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

BIOLOGICAL ACTIVITY

Description

PKC-iota inhibitor 1 (compound 19) is a protein kinase C-iota (PKC-ι) inhibitor with an IC₅₀ value of 0.34 μM^[1].

IC₅₀ & Target

IC₅₀: 0.34 μM (PKC-iota)^[1]

CUSTOMER VALIDATION

- Commun Biol. 2022 Jul 22;5(1):734.
- J Biol Chem. 2023 Sep 1;105209.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kwiatkowski J, et al. Fragment-based Discovery of a Small-Molecule Protein Kinase C- α Inhibitor Binding Post-kinase Domain Residues. ACS Med Chem Lett. 2019 Feb 15;10(3):318-323.

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

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