PKD-IN-1 dihydrochloride

Cat. No.: HY-131962A

CAS No.: 2308510-39-4

Molecular Formula: $C_{18}H_{21}Cl_3N_4O$

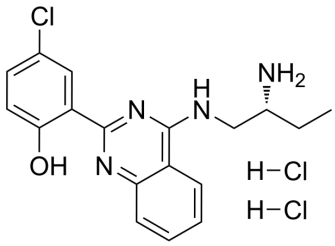
Molecular Weight: 415.74

Target: PDK-1

Pathway: PI3K/Akt/mTOR

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 35.71 mg/mL (85.90 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4053 mL	12.0267 mL	24.0535 mL
	5 mM	0.4811 mL	2.4053 mL	4.8107 mL
	10 mM	0.2405 mL	1.2027 mL	2.4053 mL

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

BIOLOGICAL ACTIVITY

Description

PKD-IN-1 dihydrochloride (compound 32), an aminoethylamino-aryl (AEAA) compound, acts as PKD-1 inhibitor. PKD-IN-1 can be used for protein kinase D (PKD)-mediated diseases research[1].

REFERENCES

[1]. RT Michael, et al. Aminoethylamino-aryl (AEAA) compounds as PKD inhibitors and their preparation, pharmaceutical compositions and use in the treatment of PKD-mediated diseases: World Intellectual Property Organization, WO2007125331. 2007-11-08.

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