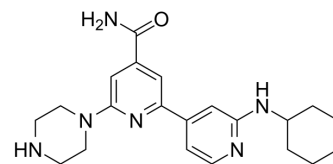


BPKDi

Cat. No.:	HY-118052
CAS No.:	1201673-28-0
Molecular Formula:	C ₂₁ H ₂₈ N ₆ O
Molecular Weight:	380.49
Target:	PKD
Pathway:	Apoptosis
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	BPKDi is a potent bipyrindyl PKD inhibitor with IC ₅₀ s of 1 nM, 9 nM and 1 nM for PKD1, PKD2 and PKD3, respectively. BPKDi blocks signal-dependent phosphorylation and nuclear export of class IIa HDACs in cardiomyocytes ^[1] .		
IC ₅₀ & Target	PKD1 1 nM (IC ₅₀)	PKD2 9 nM (IC ₅₀)	PKD3 1 nM (IC ₅₀)

REFERENCES

[1]. Lauren Monovich, et al. A novel kinase inhibitor establishes a predominant role for protein kinase D as a cardiac class IIa histone deacetylase kinase. FEBS Lett. 2010 Feb 5;584(3):631-7.

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

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