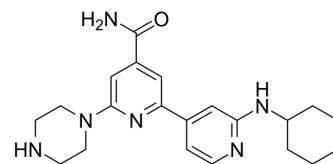


## BPKDi

Cat. No.:	HY-118052
CAS No.:	1201673-28-0
Molecular Formula:	C <sub>21</sub> H <sub>28</sub> N <sub>6</sub> O
Molecular Weight:	380.49
Target:	PKD
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	BPKDi is a potent bipyrindyl PKD inhibitor with IC <sub>50</sub> 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 <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	PKD1 1 nM (IC <sub>50</sub> )	PKD2 9 nM (IC <sub>50</sub> )	PKD3 1 nM (IC <sub>50</sub> )

## 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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