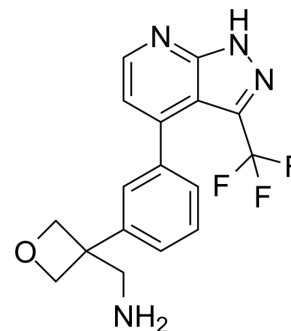


## PKC-theta inhibitor 1

Cat. No.:	HY-126328
CAS No.:	1160501-81-4
Molecular Formula:	C <sub>17</sub> H <sub>15</sub> F <sub>3</sub> N <sub>4</sub> O
Molecular Weight:	348.32
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PKC-theta inhibitor 1 is the PKC $\theta$ inhibitor with an K <sub>i</sub> value of 6 nM, inhibits IL-2 production in vivo with an IC <sub>50</sub> of 0.19 $\mu$ M. PKC-theta inhibitor 1 demonstrates a reduction of symptoms in a mouse model of multiple sclerosis <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	PKC $\theta$ 6 nM (K <sub>i</sub> )	PKC $\delta$ 392 $\mu$ M (K <sub>i</sub> )	PKC $\alpha$ 1020 $\mu$ M (K <sub>i</sub> )	IL-2 production 0.19 $\mu$ M (IC <sub>50</sub> )

### REFERENCES

[1]. Collier PN, et al. Discovery of Selective, Orally Bioavailable Pyrazolopyridine Inhibitors of Protein Kinase C $\theta$  (PKC $\theta$ ) That Ameliorate Symptoms of Experimental Autoimmune Encephalomyelitis. ACS Med Chem Lett. 2019 Jun 27;10(8):1134-1139.

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

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