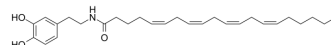


## N-Arachidonyldopamine

<b>Cat. No.:</b>	HY-110018
<b>CAS No.:</b>	199875-69-9
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>41</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	439.63
<b>Target:</b>	Cannabinoid Receptor; TRP Channel
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Arachidonyldopamine is a potent and selective endogenous CB1 receptor agonist with a K <sub>i</sub> of 250 nM <sup>[1]</sup> . N-Arachidonyldopamine is also a potent and selective TRPV1 agonist with an EC <sub>50</sub> of ~50 nM <sup>[2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	CB1 250 nM (K <sub>i</sub> )	TRPV1 ~50 nM (EC <sub>50</sub> )

### REFERENCES

[1]. Bisogno T, et al. N-acyl-dopamines: novel synthetic CB(1) cannabinoid-receptor ligands and inhibitors of anandamide inactivation with cannabimimetic activity in vitro and in vivo. *Biochem J.* 2000 Nov 1;351 Pt 3(Pt 3):817-24.

[2]. Huang SM, et al. An endogenous capsaicin-like substance with high potency at recombinant and native vanilloid VR1 receptors. *Proc Natl Acad Sci U S A.* 2002 Jun 11;99(12):8400-5.

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

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