

## OMDM-6

<b>Cat. No.:</b>	HY-135882
<b>CAS No.:</b>	616884-67-4
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>42</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	454.64
<b>Target:</b>	Endogenous Metabolite; TRP Channel; Cannabinoid Receptor
<b>Pathway:</b>	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel; Neuronal Signaling; GPCR/G Protein
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	OMDM-6 is a hybrid agonist of vanilloid receptor type 1 (VR1, TRPV1) (EC <sub>50</sub> =75 nM) and cannabinoid receptor type 1 (CB1) (K <sub>i</sub> =3.2 μM). OMDM-6 inhibits anandamide cellular uptake (ACU) with a K <sub>i</sub> of 7.0 μM <sup>[1]</sup> .
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<b>IC<sub>50</sub> &amp; Target</b>	EC <sub>50</sub> : 75 nM (vanilloid receptor type 1), K <sub>i</sub> : 3.2 μM (cannabinoid receptor type 1), K <sub>i</sub> : 7.0 μM (anandamide cellular uptake) <sup>[1]</sup>
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### REFERENCES

[1]. Ortar G, et al. Novel selective and metabolically stable inhibitors of anandamide cellular uptake. *Biochem Pharmacol.* 2003 May 1;65(9):1473-81.

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

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