

OMDM-4

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| Cat. No.: | HY-135880A |
| CAS No.: | 616884-65-2 |
| Molecular Formula: | C ₂₉ H ₄₃ NO ₃ |
| Molecular Weight: | 453.66 |
| Target: | Endogenous Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

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| Description | OMDM-4 is a selective and metabolically stable inhibitor of anandamide cellular uptake (ACU), with a K _i 17.7 μM ^[1] . |
| IC ₅₀ & Target | K _i : 17.7 μM (anandamide cellular uptake) ^[1] |
| In Vitro | OMDM-4 shows poor affinity for either CB1 (K _i =4.9 μM) or CB2 (K _i >10 μM) receptors in rat brain and spleen membranes, respectively. OMDM-4 has almost no activity at vanilloid receptors in the intracellular calcium assay carried out with intact cells over-expressing the human VR1 (EC ₅₀ >10 μM), and no activity as inhibitors of FAAH in N18TG2 cell membranes (K _i >50 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

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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