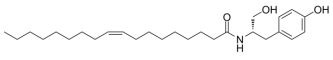
OMDM-1

Cat. No.:	HY-121557
CAS No.:	616884-62-9
Molecular Formula:	$C_{27}H_{45}NO_3$
Molecular Weight:	431.65
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	OMDM-1 is a potent, selective and metabolically stable inhibitor of anandamide cellular uptake (ACU), with a K_i of 2.4 μM[1].
IC_{50} & Target	Ki: 2.4 μM (anandamide cellular uptake)[1]
In Vitro	OMDM-1 shows poor affinity for either CB1 (K_i=12.1 μM) or CB2 (K_i>10 μM) receptors in rat brain and spleen membranes, respectively; OMDM-1 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.

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