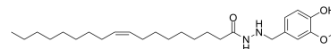


OMDM-5

Cat. No.:	HY-135881
CAS No.:	616884-66-3
Molecular Formula:	C ₂₆ H ₄₄ N ₂ O ₃
Molecular Weight:	432.64
Target:	TRP Channel; Endogenous Metabolite
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	OMDM-5 is a selective inhibitor of anandamide cellular uptake (ACU), with a K _i of 4.8 μM. OMDM-5 is also a potent vanilloid receptor type 1 (VR1, TRPV1) agonist, with an EC ₅₀ of 75 nM, and shows weakly active as cannabinoid receptor type 1 (CB1) ligand (K _i =4.9 μM) ^[1] .
IC ₅₀ & Target	Ki: 4.8 μM (anandamide cellular uptake), 4.9 μM (CB1), EC50: 75 nM (VR1) ^[1]

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA