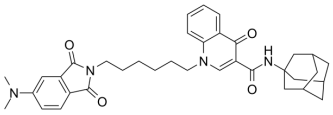
CB2R probe 1

Cat. No.:	HY-147532
CAS No.:	2634714-79-5
Molecular Formula:	$C_{36}H_{42}N_4O_4$
Molecular Weight:	594.74
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CB2R probe 1 is a safe and green CB2R (cannabinoid 2 receptor) fluorescent probe with an K_i of 130 nM. CB2R probe 1 shows low cytotoxicity in cancer cells[1].
IC_{50} & Target	cannabinoid type-2 receptors 130 nM (Ki)
In Vitro	CB2R probe 1 (compound 28) (100 nM; 24 h) shows low cytotoxicity with IC_{50}s of 1.6, 1.4, 1.4, 1.1, 2.6, 0.55, 2.0, 2.4, 2.8 nM for PANC1, U2OS, HT29, HT29-DX, U87AD, PC3, CB2R-HEK293, MCF7, MCFT-DX cells, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Spinelli F, et al. Design and synthesis of fluorescent ligands for the detection of cannabinoid type 2 receptor (CB2R). Eur J Med Chem. 2020 Feb 15;188:112037.

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