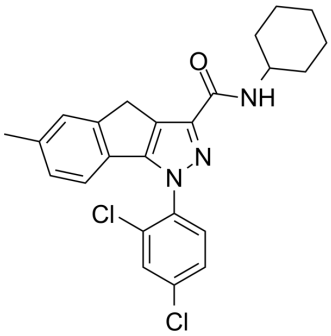
CB2 receptor agonist 3

Cat. No.:	HY-107471
CAS No.:	919077-81-9
Molecular Formula:	$C_{24}H_{23}Cl_2N_3O$
Molecular Weight:	440.36
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (28.39 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2709 mL	11.3543 mL	22.7087 mL
	5 mM	0.4542 mL	2.2709 mL	4.5417 mL
	10 mM	0.2271 mL	1.1354 mL	2.2709 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CB2 receptor agonist 3 is a robust and selective CB2 cannabinoid agonist with K_is of 7.6 and 900 nM for CB2 and CB1, respectively. CB2 receptor agonist 3 significantly increases P-ERK 1/2 expression in HL-60 cells[1].

In Vitro

CB2 receptor agonist 3 (Compound 2a) is also shown to be agonist in an in vitro model based on human promyelocytic leukemia HL-60 cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Murineddu G, et al. Tricyclic pyrazoles. 4. Synthesis and biological evaluation of analogues of the robust and selective CB2 cannabinoid ligand 1-(2',4'-dichlorophenyl)-6-methyl-N-piperidin-1-yl-1,4-dihydroindeno[1,2-c]pyrazole-3-carboxamide. J Med Chem.

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

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