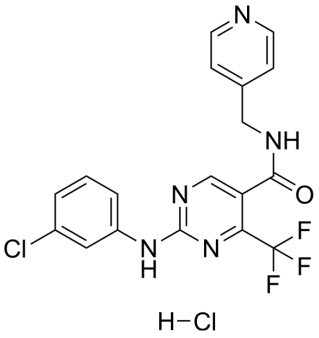
GW 833972A

Cat. No.:	HY-101765
CAS No.:	1092502-33-4
Molecular Formula:	$C_{18}H_{14}Cl_2F_3N_5O$
Molecular Weight:	444.24
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	GW 833972A is a selective CB2 receptor agonist. GW 833972A inhibits induced nerve depolarization and citric acid-induced cough in animal models[1].	
IC_{50} & Target	hCB2-R 7.3 (pEC50)	rat CB2-R 7.5 (pEC50)
In Vitro	GW 833972A (0.3-300 μM; 10 min) inhibits capsaicin-induced depolarization in humans and guinea pigs, and also inhibits prostaglandin E(2) and hypertonic saline induced depolarization of isolated vagus nerve in guinea pigs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	GW 833972A (30 mg/kg, 2 mL/kg; i.p.; single dose 30 min before test) inhibits tussive response in conscious guinea pigs induced by citric acid. It also inhibits capsaicin-induced plasma protein exudation in the main bronchus[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Belvisi MG, et al. Inhibitory activity of the novel CB2 receptor agonist, GW833972A, on guinea-pig and human sensory nerve function in the airways. Br J Pharmacol. 2008 Oct;155(4):547-57.

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