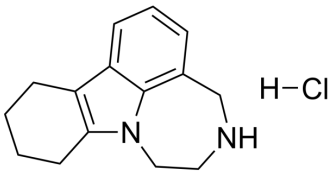
WAY 629 hydrochloride

Cat. No.:	HY-103144
CAS No.:	57756-44-2
Molecular Formula:	$C_{15}H_{19}ClN_2$
Molecular Weight:	262.78
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	WAY 629 hydrochloride is a potent and selective 5-HT_{2C} agonist with EC_{50}s of 426, 260000 nM for 5-HT_{2C} and 5-HT_{2A}, respectively. WAY 629 hydrochloride decreases feeding behavior[1][2].

IC_{50} & Target	5-HT_{2C} Receptor 426 nM (EC50)	5-HT_{2A} Receptor 260000 nM (EC50)

In Vivo

WAY 629 hydrochloride (30 mg/kg; i.p.) decreases feeding behavior in rats[1].

WAY 629 hydrochloride (21 mg/kg; i.p.) decreases the expression of NPY mRNA in mice brains[2].

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

Animal Model:	WT mice[2]
Dosage:	21 mg/kg
Administration:	I.p.
Result:	Decreased the expression of NPY mRNA.

REFERENCES

[1]. Sabb AL, et al. Cycloalkyl[b][1,4]benzodiazepinoindoles are agonists at the human 5-HT2C receptor. Bioorg Med Chem Lett. 2004 May 17;14(10):2603-7.

[2]. Aoki M, et al. Involvement of serotonin 2C receptor RNA editing in accumbal neuropeptide Y expression and behavioural despair. Eur J Neurosci. 2016 May;43(9):1219-28.

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