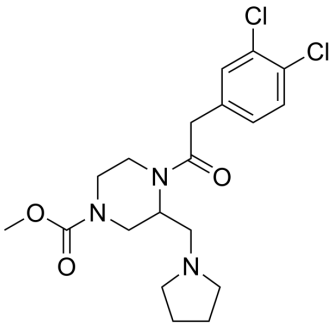
GR 89696 free base

Cat. No.:	HY-107747A
CAS No.:	126766-31-2
Molecular Formula:	$C_{19}H_{25}Cl_2N_3O_3$
Molecular Weight:	414.33
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GR 89696 free base is a highly selective κ2 opioid receptor agonist with potential to prevent pruritus[1].
In Vivo	GR 89696 free base (intramuscular injection, 0.01-0.1 μg/kg) attenuates the scratching response induced by intrathecal morphine (0.03mg) in a dose-dependent manner without affecting the analgesic effect of morphine[1]. GR-896960 free base (subcutaneous injection, 1 mg/kg) reduces cerebral artery infarct volume by 38% in a rat model of permanent focal ischemia[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mei-Chuan Ko, et al. Effects of atypical kappa-opioid receptor agonists on intrathecal morphine-induced itch and analgesia in primates. J Pharmacol Exp Ther. 2009 Jan;328(1):193-200.

[2]. A Barber, et al. Effects of GR-89696 and the novel peripherally selective OP2 agonists, EMD-61569 and EMD-61747, against focal cerebral ischemia in the rat. Methods Find Exp Clin Pharmacol. 1999 Mar;21(2):105-13

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