Data Sheet (Cat.No.T22810)



GR 89696 fumarate

Chemical Properties

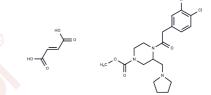
CAS No.: 126766-32-3

Formula: C23H29Cl2N3O7

Molecular Weight: 530.4

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GR 89696 fumarate is a highly selective κ2 opioid receptor agonist (IC50 = 0.04nM) with anti-pruritchy, anti-injury and neuroprotective effects.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	Ethanol: 3.6 mg/mL (6.8 mM)
⊗	DMSO: 45.0 mg/mL (84.9 mM),
	H2O: 7.7 mg/mL (14.4 mM),
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8854 mL	9.4268 mL	18.8537 mL
5 mM	0.3771 mL	1.8854 mL	3.7707 mL
10 mM	0.1885 mL	0.9427 mL	1.8854 mL
50 mM	0.0377 mL	0.1885 mL	0.3771 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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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