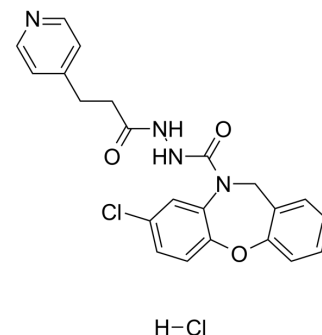


SC 51089

Cat. No.:	HY-108563
CAS No.:	146033-02-5
Molecular Formula:	C ₂₂ H ₂₀ Cl ₂ N ₄ O ₃
Molecular Weight:	459.33
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (544.27 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.1771 mL	10.8854 mL	21.7708 mL
		5 mM	0.4354 mL	2.1771 mL	4.3542 mL
	10 mM	0.2177 mL	1.0885 mL	2.1771 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.53 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	SC-51089 is a selective antagonist of EP1 receptor with analgesic activity in vivo ^[1] .
IC₅₀ & Target	EP ₁ Receptor

REFERENCES

[1]. Malmberg AB, et al. Antinociceptive effect of spinally delivered prostaglandin E receptor antagonists in the formalin test on the rat. *Neurosci Lett.* 1994 May 23;173(1-2):193-6.

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

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