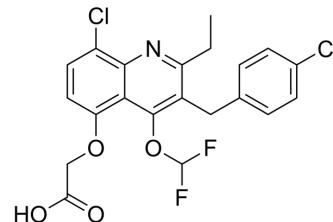


Pexopiprant

Cat. No.:	HY-109186		
CAS No.:	932708-14-0		
Molecular Formula:	C ₂₁ H ₁₇ Cl ₂ F ₂ NO ₄		
Molecular Weight:	456.27		
Target:	Prostaglandin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (219.17 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1917 mL	10.9584 mL	21.9168 mL
	5 mM	0.4383 mL	2.1917 mL	4.3834 mL
	10 mM	0.2192 mL	1.0958 mL	2.1917 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Pexopiprant is an oral antagonist of the prostaglandin D2 receptor 2 (DP2), K_i ≈ 100nM. Pexopiprant can be used in studies of asthma^[1].

IC₅₀ & Target

DP2
<100 nM (K_i)

REFERENCES

[1]. Cramp, Michael Colin; Arienzo, Rosa; Hynd, George; Crackett, Peter; Griffon, Yann; Harrison, Trevor Keith; Ray, Nicholas Charles; Finch, Harry; Montana, John Gary. Preparation of quinoline derivatives as CRTH2 antagonists. WO2007036743 A2.

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

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