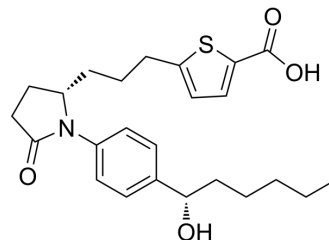


Aganepag

Cat. No.:	HY-19864		
CAS No.:	910562-18-4		
Molecular Formula:	C ₂₄ H ₃₁ NO ₄ S		
Molecular Weight:	429.57		
Target:	Prostaglandin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 45 mg/mL (104.76 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3279 mL	11.6395 mL	23.2791 mL
	5 mM	0.4656 mL	2.3279 mL	4.6558 mL
	10 mM	0.2328 mL	1.1640 mL	2.3279 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.3 mg/mL (5.35 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.3 mg/mL (5.35 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.3 mg/mL (5.35 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Aganepag is a potent Prostanoid EP2 receptor agonist, with an EC₅₀ of 0.19 nM, and shows no activity at EP4 receptor. Aganepag can be used in the research of wound healing, scar reduction, scar prevention and wrinkle treatment and prevention.

IC₅₀ & Target

EP2
 0.19 nM (EC50)

In Vitro

Aganepag (Compound 3) is a potent Prostanoid EP2 receptor agonist, with an EC₅₀ of 0.19 nM, and shows no activity at EP4. Aganepag can be used in the research of wound healing, scar reduction, scar prevention and wrinkle treatment and prevention^[1].

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

REFERENCES

[1]. Robert M. Burk, et al. Compounds and methods for skin repair. WO2014078434A1

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

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