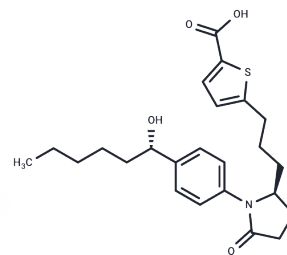


## Aganepag

## Chemical Properties

CAS No. :	910562-18-4
Formula:	C <sub>24</sub> H <sub>31</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	429.57
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Aganepag, a potent Prostanoid EP2 receptor agonist, exhibits remarkable selectivity with an EC <sub>50</sub> of 0.19 nM, demonstrating no activity at the EP4 receptor. Its applications are primarily in the fields of wound healing, scar reduction, scar prevention, and the treatment and prevention of wrinkles.
Targets(IC50)	Prostaglandin Receptor
In vitro	Aganepag (Compound 3), a powerful Prostanoid EP2 receptor agonist, exhibits an EC <sub>50</sub> of 0.19 nM and lacks activity at the EP4 receptor. This compound is applicable in studies focused on wound healing, scar reduction and prevention, as well as the treatment and prevention of wrinkles[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
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	1.164 mL	2.3279 mL
50 mM	0.0466 mL	0.2328 mL	0.4656 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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