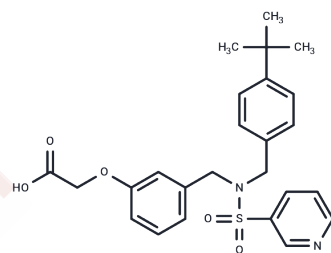


## Evatanepag

## Chemical Properties

CAS No. :	223488-57-1
Formula:	C <sub>25</sub> H <sub>28</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	468.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Evatanepag (CP-533536 free acid) is an EP2 receptor selective prostaglandin E2 (PGE2) agonist that induces local bone formation with EC50 of 0.3 nM. CP-533536 demonstrated the ability to heal fractures when administered locally as a single dose in rat models of fracture healing.
Targets(IC50)	Prostaglandin Receptor
In vitro	CP-533536 is a potent and selective EP2agonist. CP-533536 shows the ability to heal fractures when administered locally as a single dose in rat models of fracture healing s excellent in vitro potency and it also displays against EP2 and selectivity against a broad panel of other targets.

## Solubility Information

Solubility	DMSO: 32 mg/mL (68.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1342 mL	10.6708 mL	21.3415 mL
5 mM	0.4268 mL	2.1342 mL	4.2683 mL
10 mM	0.2134 mL	1.0671 mL	2.1342 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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

Cameron KO, et al. Discovery of CP-533536: an EP2 receptor selective prostaglandin E2 (PGE2) agonist that induces local bone formation. Bioorg Med Chem Lett. 2009 Apr 1;19(7):2075-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481