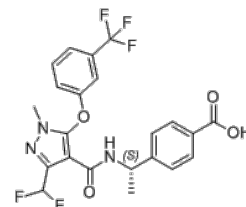


**Product Name** : E7046  
**Cat. No.** : PC-63545  
**CAS No.** : 1369489-71-3  
**Molecular Formula** : C<sub>22</sub>H<sub>18</sub>F<sub>5</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 483.395  
**Target** : Prostaglandin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

E7046 (Palupiprant, ER-886046) is a potent, selective, orally bioavailable **EP4 receptor** antagonist with IC<sub>50</sub> of 13.5 nM, Ki of 23.14 nM.

E7046 (Palupiprant, ER-886046) displays >1,500 fold selectivity for EP4 relative to EP4 closest homolog, the PGE2 receptor EP2.

E7046 (Palupiprant, ER-886046) diminishes Myeloid immunosuppression and synergizes with Treg-reducing IL-2-Diphtheria toxin fusion protein in restoring anti-tumor immunity.

E7046 (Palupiprant, ER-886046) shows anti-arthritis potential in collagen induced arthritis model.

## References

Bender AT, et al. *Am J Transl Res.* 2013;5(1):92-102.

Albu DI, et al. *Oncoimmunology.* 2017 Jun 28;6(8):e1338239.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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