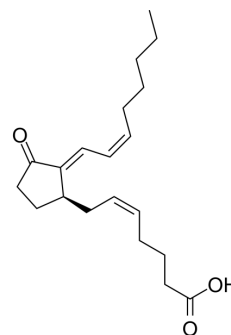


## CAY10410

Cat. No.:	HY-117422
CAS No.:	596104-94-8
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	318.45
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CAY10410 (11-Oxo-prosta-5Z), a 15d-PGJ2 analog, is a potent PPAR $\gamma$ agonist. CAY10410 has the ability to activate PPAR $\gamma$ in human B cells without killing B lymphocytes <sup>[1]</sup> .
IC <sub>50</sub> & Target	PPAR $\gamma$
In Vitro	CAY10410 (11-Oxo-prosta-5Z; 1 $\mu$ M; 24 h) activates PPRE-LUC activity and this activation is inhibited by the PPAR $\gamma$ DN in B cells <sup>[1]</sup> . CAY10410 (0-25 $\mu$ M; 48 h) does not inhibit either Ramos cells or normal human B cells, even at doses up to 25 $\mu$ M <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ray DM, et, al. The peroxisome proliferator-activated receptor gamma (PPARgamma) ligands 15-deoxy-Delta12,14-prostaglandin J2 and ciglitazone induce human B lymphocyte and B cell lymphoma apoptosis by PPARgamma-independent mechanisms. J Immunol. 2006 Oct 15;177(8):5068-76.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA