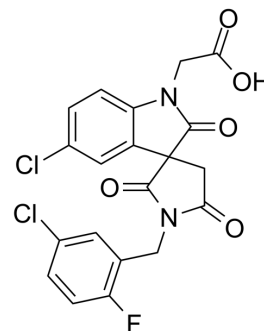


## CAY10595

Cat. No.:	HY-118180
CAS No.:	916047-16-0
Molecular Formula:	C <sub>20</sub> H <sub>13</sub> Cl <sub>2</sub> FN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	451.23
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CAY10595 is a potent CRTH2/DP2 receptor antagonist that binds to the human receptor with a K <sub>i</sub> of 10 nM.
<b>IC<sub>50</sub> &amp; Target</b>	CRTH2/DP2 Receptor 10 nM (K <sub>i</sub> )
<b>In Vitro</b>	CAY10595 (compound 71) is a potent CRTH2/DP2 receptor antagonist that binds to the human receptor with a K <sub>i</sub> of 10 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Administration of the DP2 antagonist CAY10595 slightly delays the development of CIA. Treatment with CAY10595 reduces IgG2a anti-CII levels without modification of IgG anti-CII levels <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Crosignani S, et al. Discovery of a new class of potent, selective, and orally bioavailable CRTH2 (DP2) receptor antagonists for the treatment of allergic inflammatory diseases. *J Med Chem.* 2008 Apr 10;51(7):2227-43.

[2]. Maicas N, et al. Prostaglandin D2 regulates joint inflammation and destruction in murine collagen-induced arthritis. *Arthritis Rheum.* 2012 Jan;64(1):130-40.

**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