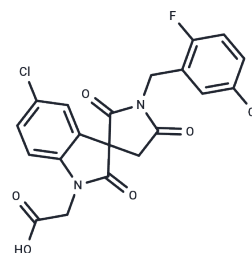


CAY10595

## Chemical Properties

CAS No. : 916047-16-0  
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  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|                            |                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | CAY10595 is an antagonist of the CRTh2 (DP2) receptor with a K <sub>i</sub> of 10 nM.                                                    |
| Targets(IC <sub>50</sub> ) | GPR                                                                                                                                      |
| In vivo                    | CAY10595 slightly delays the development of CIA and reduces IgG2a anti-CII levels without modification of the levels of IgG anti-CII[2]. |

## Solubility Information

|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 50 mg/mL (110.81 mM)<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|--------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2162 mL | 11.0808 mL | 22.1616 mL |
| 5 mM  | 0.4432 mL | 2.2162 mL  | 4.4323 mL  |
| 10 mM | 0.2216 mL | 1.1081 mL  | 2.2162 mL  |
| 50 mM | 0.0443 mL | 0.2216 mL  | 0.4432 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

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.

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