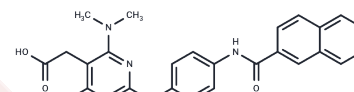


## CRTh2 antagonist 2

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 780763-95-3   |
| Formula:          | C <sub>26</sub> H <sub>23</sub> ClN <sub>4</sub> O <sub>3</sub>   |
| Molecular Weight: | 474.94  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | CRTh2 antagonist 2 is a selective and potent CRTH2 antagonist, IC <sub>50</sub> ≤ 10 nM. CRTh2 antagonist 2 can be used to study the direction of androgenic alopecia.  |
| Targets(IC <sub>50</sub> ) | GPCR, Prostaglandin Receptor  |
| In vitro                   | CRTH2, also known as GPR44 (chemoattractant receptor-homologous molecule expressed on Th2 cells) protein, is a G-protein coupled receptor (GPCR) which is amongst other ligands most strongly activated by prostaglandin D <sub>2</sub> (PGD <sub>2</sub> ). PGD <sub>2</sub> is a product of prostaglandin D <sub>2</sub> synthase (PTGDS)[1]. |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 45 mg/mL (94.75 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1055 mL | 10.5276 mL | 21.0553 mL |
| 5 mM  | 0.4211 mL | 2.1055 mL  | 4.2111 mL  |
| 10 mM | 0.2106 mL | 1.0528 mL  | 2.1055 mL  |
| 50 mM | 0.0421 mL | 0.2106 mL  | 0.4211 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Andreas Schnapp, et al. Pyrimidine compounds for treating hairloss. US20140148470A1.

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