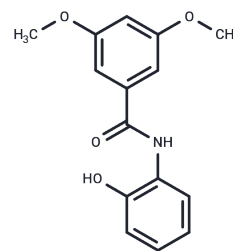


## CCKBR agonist-2

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 923714-61-8   |
| Formula:          | C <sub>15</sub> H <sub>15</sub> NO <sub>4</sub>   |
| Molecular Weight: | 273.28  |
| 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                | CCKBR agonist-2 (Compound z-44) is a CCKBR-Gi-biased agonist that activates the Gi signaling pathway (EC <sub>50</sub> = 0.27 nM) with negligible activity on Gq and Gs pathways. It exhibits no significant protective effect in mouse models of Alzheimer's disease. |
| Targets(IC <sub>50</sub> ) | Cholecystokinin Receptor   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 80.00 mg/mL (292.74 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.6593 mL | 18.2963 mL | 36.5925 mL |
| 5 mM  | 0.7319 mL | 3.6593 mL  | 7.3185 mL  |
| 10 mM | 0.3659 mL | 1.8296 mL  | 3.6593 mL  |
| 50 mM | 0.0732 mL | 0.3659 mL  | 0.7319 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

Wang JL, et al. Elucidating pathway-selective biased CCKBR agonism for Alzheimer's disease treatment. Cell. 2025 Nov 20:50092-8674(25)01238-3.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481