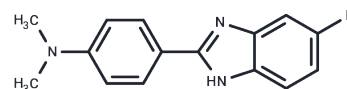


## β-catenin-IN-2

### Chemical Properties

CAS No. : 1458664-10-2  
Formula: C<sub>15</sub>H<sub>14</sub>FN<sub>3</sub>  
Molecular Weight: 255.29  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|               |                                                                                                                                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|
| Description   | β-catenin-IN-2 is a potent inhibitor of β-catenin that can be used in colorectal cancer research.                               |
| Targets(IC50) | Wnt/beta-catenin                                                                                                                |
| In vitro      | In HCT116 cells, β-catenin-IN-2 (10-40 μM) dose-dependently suppressed the transcriptional activity of the β-catenin/Tcf-4 [1]. |

### Solubility Information

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 83.33 mg/mL (326.41 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.9171 mL | 19.5856 mL | 39.1711 mL |
| 5 mM  | 0.7834 mL | 3.9171 mL  | 7.8342 mL  |
| 10 mM | 0.3917 mL | 1.9586 mL  | 3.9171 mL  |
| 50 mM | 0.0783 mL | 0.3917 mL  | 0.7834 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

Ann Marie Bode, et al. Inhibitors of beta-catenin in treatment of colorectal cancer. Patent US20150374662A1.

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

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Tel:781-999-4286    E\_mail:info@targetmol.com    Address:36 Washington Street,Wellesley Hills,MA 02481