

AKR1C3-IN-12

## Chemical Properties

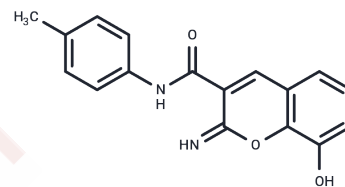
CAS No. : 891075-67-5

Formula: C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 294.3

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | AKR1C3-IN-12 (compound 2j), an inhibitor of aldo-keto reductase 1C3 (AKR1C3), exhibits potent activity with an IC <sub>50</sub> of 27 nM. It has been shown to enhance the effectiveness of Gemcitabine and Cisplatin in treating bladder cancer [1]. |
| Targets(IC <sub>50</sub> ) | Reductase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.3979 mL | 16.9895 mL | 33.9789 mL |
| 5 mM  | 0.6796 mL | 3.3979 mL  | 6.7958 mL  |
| 10 mM | 0.3398 mL | 1.6989 mL  | 3.3979 mL  |
| 50 mM | 0.068 mL  | 0.3398 mL  | 0.6796 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.

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

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

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