

TCS 2210

## Chemical Properties

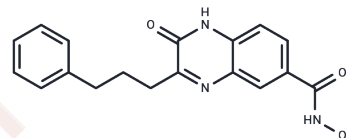
CAS No. : 1201916-31-5

Formula: C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 323.35

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   | TCS 2210 is an inducer of neuronal differentiation in mesenchymal stem cells and increases the neuronal markers $\beta$ -III tubulin expression and neuron-specific enolase expression. |
| Targets(IC50) | Others, Microtubule Associated  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 4.8 mg/mL (14.84 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.0926 mL | 15.4631 mL | 30.9262 mL |
| 5 mM  | 0.6185 mL | 3.0926 mL  | 6.1852 mL  |
| 10 mM | 0.3093 mL | 1.5463 mL  | 3.0926 mL  |
| 50 mM | 0.0619 mL | 0.3093 mL  | 0.6185 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

Na Ri Kim, et al. Discovery of a new and efficient small molecule for neuronal differentiation from mesenchymal stem cell.

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