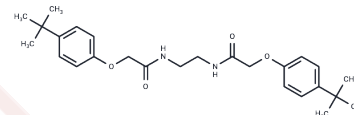


## NIC3

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 494830-67-0   |
| Formula:          | C <sub>26</sub> H <sub>36</sub> N <sub>2</sub> O <sub>4</sub>   |
| Molecular Weight: | 440.58  |
| 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   | NIC3 is a selective nucleus accumbens-associated protein-1 (NAC1) inhibitor with anti-cancer activity. |
| Targets(IC50) | Others   |

## Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | DMSO: 21.67 mg/mL (49.19 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+90% Saline: 2 mg/mL (4.54 mM), Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2697 mL | 11.3487 mL | 22.6974 mL |
| 5 mM  | 0.4539 mL | 2.2697 mL  | 4.5395 mL  |
| 10 mM | 0.227 mL  | 1.1349 mL  | 2.2697 mL  |
| 50 mM | 0.0454 mL | 0.227 mL   | 0.4539 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 X, et al. Identification of a small-molecule compound that inhibits homodimerization of oncogenic NAC1 protein and sensitizes cancer cells to anticancer agents. J Biol Chem. 2019 May 17. pii: jbc.RA119.007664.

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