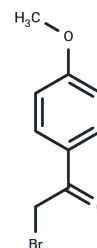


## PTP inhibitor 1

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2632-13-5   |
| Formula:          | C <sub>9</sub> H <sub>9</sub> BrO <sub>2</sub>  |
| Molecular Weight: | 229.07  |
| 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                | PTP inhibitor 1 is an inhibitor of cell-permeable protein tyrosine phosphatase (PTP) that covalently binds the catalytic domain of the Src homology region 2 domain-containing phosphatase (SHP-1( $\Delta$ SH2)), with $K_i$ of 128 $\mu$ M. |
| Targets(IC <sub>50</sub> ) | Phosphatase   |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 55 mg/mL (240.1 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.73 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  | 4.3655 mL | 21.8274 mL | 43.6548 mL |
| 5 mM  | 0.8731 mL | 4.3655 mL  | 8.731 mL   |
| 10 mM | 0.4365 mL | 2.1827 mL  | 4.3655 mL  |
| 50 mM | 0.0873 mL | 0.4365 mL  | 0.8731 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

Arabaci G , Guo X C , Beebe K D , et al.  $\alpha$ -Haloacetophenone Derivatives As Photoreversible Covalent Inhibitors of Protein Tyrosine Phosphatases[J]. Journal of the American Chemical Society, 1999, 121(21):5085-5086.

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