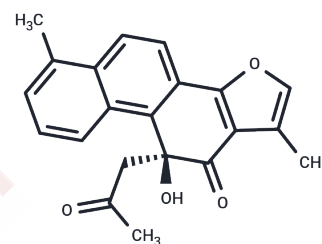


## Dehydrodanshenol A

## Chemical Properties

CAS No. : 1444618-61-4  
 Formula: C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>  
 Molecular Weight: 334.37  
 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                | Dehydrodanshenol A, a non-competitive inhibitor of Protein tyrosine phosphatase 1B (PTP1B), exhibits an IC <sub>50</sub> value of 8.5 μM and holds potential for use in diabetes-related research [1]. |
| Targets(IC <sub>50</sub> ) | Phosphatase  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 2.9907 mL | 14.9535 mL | 29.907 mL |
| 5 mM  | 0.5981 mL | 2.9907 mL  | 5.9814 mL |
| 10 mM | 0.2991 mL | 1.4953 mL  | 2.9907 mL |
| 50 mM | 0.0598 mL | 0.2991 mL  | 0.5981 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

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