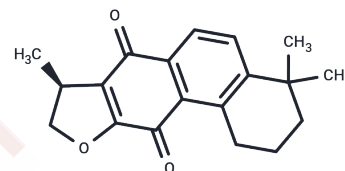


## Isocryptotanshinone

## Chemical Properties

CAS No. : 22550-15-8  
 Formula: C<sub>19</sub>H<sub>20</sub>O<sub>3</sub>  
 Molecular Weight: 296.36  
 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	Isocryptotanshinone inhibits protein tyrosine phosphatase 1B (PTP1B) activity with 50% inhibitory concentration values of 56.1±6.3 μM, PTP1B acts as a negative regulator of insulin signaling, and selective inhibition of PTP1B has served as a potential drug target for the treatment of type 2 diabetes.
Targets(IC50)	ERK,STAT,JNK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3743 mL	16.8714 mL	33.7427 mL
5 mM	0.6749 mL	3.3743 mL	6.7485 mL
10 mM	0.3374 mL	1.6871 mL	3.3743 mL
50 mM	0.0675 mL	0.3374 mL	0.6749 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

Isocryptotanshinone Induced Apoptosis and Activated MAPK Signaling in Human Breast Cancer MCF-7 Cells.J Breast Cancer. 2015 Jun; 18(2): 112118.

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