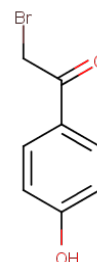


Catalog Number: CM01356

## 产品信息

Catalog Number:  
CM01356CAS号:  
2491-38-5分子式:  
 $C_8H_7BrO_2$ 主要靶点:  
Phosphatase主要通路:  
代谢分子量:  
215.04溶解度:  
Ethanol:20  
mg/mL,H<sub>2</sub>O:Insoluble,DMSO:20  
mg/mL

## 靶点活性

SHP-1:43  $\mu$  M (K<sub>i</sub>, cell free)|PTP1B:42  $\mu$  M (K<sub>i</sub>, cell free)

## 细胞实验

Cell lines: human B cells. Concentrations: 30, 100, 300, 1000  $\mu$  M. Method: After incubation with varying concentrations of PTP Inhibitor I for 3 min, the cells are lysed, and the cellular proteins are separated on an SDS-PAGE gel, followed by western blot analysis.

## 描述

2-Bromo-4'-hydroxyacetophenone(PTP Inhibitor I) is a cell-permeable, protein tyrosine phosphatase (PTP) inhibitor that covalently blocks the catalytic domain of the Src homology region 2 domain-containing phosphatase (SHP-1(  $\Delta$  SH2)) with a K<sub>i</sub> value of 43  $\mu$  M and PTP1B with a K<sub>i</sub> value of 42  $\mu$  M [1]. SHP-1 and PTP1B both have known roles in regulating insulin signaling as well as myeloid and lymphoid cell differentiation, making inhibitors of these phosphatases of interest in diabetes, cancer, allergy, and inflammation research [2].

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years