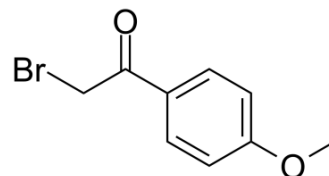


PTP inhibitor 1

Cat. No.:	HY-W013478		
CAS No.:	2632-13-5		
Molecular Formula:	C ₉ H ₉ BrO ₂		
Molecular Weight:	229.07		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (436.55 mM)
 H₂O : 1 mg/mL (4.37 mM); ultrasonic and warming and heat to 80°C
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.3655 mL	21.8274 mL	43.6548 mL
	5 mM	0.8731 mL	4.3655 mL	8.7310 mL
	10 mM	0.4365 mL	2.1827 mL	4.3655 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (10.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (10.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (10.91 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PTP inhibitor 1 is a protein tyrosine phosphatase (PTP) inhibitor, with anti-angiogenic effect^[1].

IC₅₀ & Target

PTP^[1]

In Vitro

PTP inhibitor 1 exhibits anti-angiogenic activity with an IC₅₀ of 3.7 μM for HUVECs^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sylvest L, et al. Phosphatase inhibitors with anti-angiogenic effect in vitro. APMIS. 2010 Jan;118(1):49-59.

Caution: Product has not been fully validated for medical applications. For research use only.

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