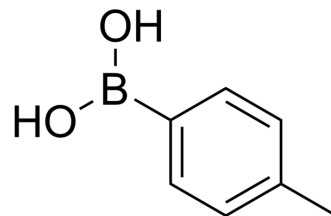


4-Tolylboronic acid

Cat. No.:	HY-21626		
CAS No.:	5720-05-8		
Molecular Formula:	C ₇ H ₉ BO ₂		
Molecular Weight:	135.96		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
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 (735.51 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		7.3551 mL	36.7755 mL	73.5510 mL
		5 mM		1.4710 mL	7.3551 mL	14.7102 mL
10 mM			0.7355 mL	3.6776 mL	7.3551 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.39 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.39 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.39 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	4-Tolylboronic acid is an organoboron compound with important chemical applications. It can be used as an important intermediate in organic synthesis for the synthesis of organic compounds such as drugs, pesticides, and cosmetics, as well as for the research of coordination chemistry and material science. Due to its high chemical reactivity, 4-Tolylboronic acid has become a widely used reagent in organic synthesis.
In Vitro	4-Toluenboronic acid is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

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

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA