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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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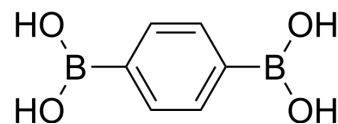
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1,4-Phenylenediboronic acid

Cat. No.:	HY-W000938
CAS No.:	4612-26-4
Molecular Formula:	C ₆ H ₈ B ₂ O ₄
Molecular Weight:	165.75
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 (603.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.0332 mL	30.1659 mL	60.3318 mL
		5 mM		1.2066 mL	6.0332 mL	12.0664 mL
		10 mM		0.6033 mL	3.0166 mL	6.0332 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (15.08 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.08 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.08 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1,4-Phenylenediboronic acid is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	1,4-Phenylenediboronic acid is used for palladium-catalyzed sequential alkenylation and conjugate addition reactions, scholl cyclizations, Suzuki-Miyaura cross-coupling reactions. It is also used in the preparation of indolizine derivatives as OLEDs, in organic thin-film transistors, F fluorescence and solution-processable coordination polymers. 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.

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