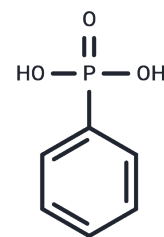


Phenylphosphonic acid

Chemical Properties

CAS No. :	1571-33-1
Formula:	C ₆ H ₇ O ₃ P
Molecular Weight:	158.09
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phenylphosphonic acid is a synthetic pyrethroid insecticide that effectively controls specific underground pests. Additionally, it serves as a ligand in metal-catalyzed reactions, facilitating the research and development of layered metal phosphonates and pesticide-related fields. It is also an inhibitor of Carbonic anhydrase 9.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3255 mL	31.6276 mL	63.2551 mL
5 mM	1.2651 mL	6.3255 mL	12.651 mL
10 mM	0.6326 mL	3.1628 mL	6.3255 mL
50 mM	0.1265 mL	0.6326 mL	1.2651 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

- Mahmoudkhani A H, et al. Phenylphosphonic acid as a building block for two-dimensional hydrogen-bonded supramolecular arrays[J]. Journal of molecular structure, 2002, 609(1-3): 97-108.
Fukuto T R. The chemistry of organic insecticides[J]. Annual Review of Entomology, 1961, 6(1): 313-332.

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