

## 4-Phenoxyphenylboronic acid

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 51067-38-0   |
| Formula:          | C <sub>12</sub> H <sub>11</sub> BO <sub>3</sub>  |
| Molecular Weight: | 214.03   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |  |
|---------------|--|
| Description   | 4-Phenoxyphenylboronic acid inhibits the tyrosine protein kinase BTK, with an IC <sub>50</sub> value of 6.09 nM. |
| Targets(IC50) | BTK  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 160.00 mg/mL (747.56 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.6722 mL | 23.3612 mL | 46.7224 mL |
| 5 mM  | 0.9344 mL | 4.6722 mL  | 9.3445 mL  |
| 10 mM | 0.4672 mL | 2.3361 mL  | 4.6722 mL  |
| 50 mM | 0.0934 mL | 0.4672 mL  | 0.9344 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

He L, et al. Design, synthesis and biological evaluation of 7H-pyrrolo[2,3-d]pyrimidin-4-amine derivatives as selective Btk inhibitors with improved pharmacokinetic properties for the treatment of rheumatoid arthritis. Eur J Med Chem. 2018 Feb 10;145:96-112.

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