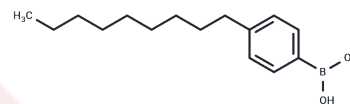


4-Nonylphenylboronic acid

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 256383-45-6 |
| Formula: | C ₁₅ H ₂₅ BO ₂ |
| Molecular Weight: | 248.17 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | 4-Nonylphenylboronic acid is a inhibitor of FAAH. |
| Targets(IC50) | FAAH |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 9 mg/mL (36.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 4.0295 mL | 20.1475 mL | 40.295 mL |
| 5 mM | 0.8059 mL | 4.0295 mL | 8.059 mL |
| 10 mM | 0.4029 mL | 2.0147 mL | 4.0295 mL |
| 50 mM | 0.0806 mL | 0.4029 mL | 0.8059 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

Minkkila? A , Saario S M , Ka?Sna?Nen H , et al. Discovery of Boronic Acids as Novel and Potent Inhibitors of Fatty Acid Amide Hydrolase[J]. Journal of Medicinal Chemistry, 2008, 51(22):7057-7060.

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