



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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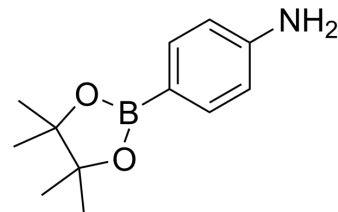
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## 4-Aminophenylboronic acid pinacol ester

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-75597                                                                                  |
| CAS No.:           | 214360-73-3                                                                               |
| Molecular Formula: | C <sub>12</sub> H <sub>18</sub> BNO <sub>2</sub>                                          |
| Molecular Weight:  | 219.09                                                                                    |
| Target:            | Biochemical Assay Reagents                                                                |
| Pathway:           | Others                                                                                    |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                                      |           |            |            |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 100 mg/mL (456.43 mM; Need ultrasonic)                                                                                             |                                                      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div>Solvent<br/>Concentration</div> <div>Mass</div> | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                                 | 4.5643 mL | 22.8217 mL | 45.6433 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                 | 0.9129 mL | 4.5643 mL  | 9.1287 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                                | 0.4564 mL | 2.2822 mL  | 4.5643 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<br>Solubility: ≥ 2.5 mg/mL (11.41 mM); Clear solution |                                                      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (11.41 mM); Clear solution            |                                                      |           |            |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (11.41 mM); Clear solution                            |                                                      |           |            |            |
|                                                                               |                                                                                                                                           |                                                      |           |            |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | 4-Aminophenylboronic acid pinacol ester is a biochemical reagent that can be used as a biological material or organic compound for life science related research.                                                                                                                                                                                                                                                                                                    |
| In Vitro    | <p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaboran-2-yl)aniline is a heterocyclic building block. It has been used in the synthesis of 3-aminoindazole-based multi-targeted receptor tyrosine kinase (RTK) inhibitors with anticancer activity and roscovitine derivatives that are dual inhibitors of cyclin-dependent kinases (CDKs) and casein kinase 1 (CK1).</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |

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## REFERENCES

- [1]. Dai, Y., Hartandi, K., Ji, Z., et al al. Discovery of N-(4-(3-amino-1H-indazol-4-yl)phenyl)-N'-(2-fluoro-5-methylphenyl)urea (ABT-869), a 3-aminoindazole-based ORALLY ACTIVE MULTITARGED Receptor Tyrosine Kinase Inhibitor. *J. Chem.* 50 (7) 1584-1597 (2007).
- [2]. Paraiso, KHT, HAARBERG, He, Wood, E., ET AL. The HSP90 Inhibitor XL888 Overcomes Braf Inhibitor Resistance Mediated Through diverse mechanisms *Clin. Cancer Res.* 18(9) 2502-2514 (2012).
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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