



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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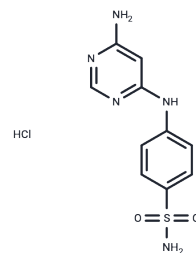
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## PNU112455A hydrochloride

## Chemical Properties

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| CAS No. :         | 21886-12-4                                                        |
| Formula:          | C <sub>10</sub> H <sub>12</sub> ClN <sub>5</sub> O <sub>2</sub> S |
| Molecular Weight: | 301.75                                                            |
| Appearance:       | no data available                                                 |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year          |



## Biological Description

|               |                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | PNU112455A hydrochloride is an ATP site competitive inhibitor of CDK2 and CDK5, binds to the ATP site of CDK2 and CDK5 with Kms of 3.6 and 3.2 $\mu$ M, respectively. |
| Targets(IC50) | CDK                                                                                                                                                                   |

## Solubility Information

|            |                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 125 mg/mL (414.25 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 3.314 mL  | 16.570 mL | 33.140 mL |
| 5 mM  | 0.6628 mL | 3.314 mL  | 6.628 mL  |
| 10 mM | 0.3314 mL | 1.657 mL  | 3.314 mL  |
| 50 mM | 0.0663 mL | 0.3314 mL | 0.6628 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.

## Reference

Jiang L, Yu Y, Li Z, et al. BMS-265246, a Cyclin-Dependent Kinase Inhibitor, Inhibits the Infection of Herpes Simplex Virus Type 1. *Viruses*. 2023, 15(8): 1642.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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