



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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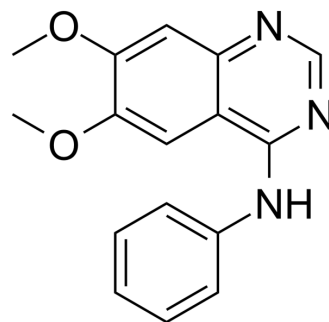
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## WHI-P258

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-108419                                                                                        |
| CAS No.:           | 21561-09-1                                                                                       |
| Molecular Formula: | C <sub>16</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub>                                    |
| Molecular Weight:  | 281.31                                                                                           |
| Target:            | JNK                                                                                              |
| Pathway:           | MAPK/ERK Pathway                                                                                 |
| Storage:           | Powder    -20°C    3 years<br>4°C    2 years<br>In solvent   -80°C    2 years<br>-20°C    1 year |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                                       |      |           |            |            |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 31.25 mg/mL (111.09 mM; Need ultrasonic)                                                                                           |                                                       |      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                                  |      | 3.5548 mL | 17.7740 mL | 35.5480 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                  |      | 0.7110 mL | 3.5548 mL  | 7.1096 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                                 |      | 0.3555 mL | 1.7774 mL  | 3.5548 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: ≥ 2.25 mg/mL (8.00 mM); Clear solution |                                                       |      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.25 mg/mL (8.00 mM); Clear solution            |                                                       |      |           |            |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.25 mg/mL (8.00 mM); Clear solution                            |                                                       |      |           |            |            |
|                                                                               |                                                                                                                                           |                                                       |      |           |            |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | WHI-P258, a quinazoline compound, binds to the active site of JAK3 with an estimated K <sub>i</sub> of 72 μM. WHI-P258 does not inhibit JAK3 and does not affect the thrombin-induced aggregation of platelets even at 100 μM <sup>[1][2]</sup> . |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

[1]. Sudbeck EA, et al. Structure-based design of specific inhibitors of Janus kinase 3 as apoptosis-inducing antileukemic agents. Clin Cancer Res. 1999 Jun;5(6):1569-82.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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