



# 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

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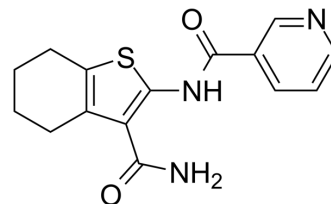
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## FLT3-IN-16

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-148036                                                                                          |
| CAS No.:           | 298207-49-5                                                                                        |
| Molecular Formula: | C <sub>15</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S                                    |
| Molecular Weight:  | 301.36                                                                                             |
| Target:            | FLT3                                                                                               |
| Pathway:           | Protein Tyrosine Kinase/RTK                                                                        |
| Storage:           | Powder    -20°C    3 years<br>4°C    2 years<br>In solvent   -80°C    6 months<br>-20°C    1 month |



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 25 mg/mL (82.96 mM; ultrasonic and warming and heat to 80°C)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 3.3183 mL | 16.5915 mL | 33.1829 mL |
|                              | 5 mM                     |      | 0.6637 mL | 3.3183 mL  | 6.6366 mL  |
|                              | 10 mM                    |      | 0.3318 mL | 1.6591 mL  | 3.3183 mL  |

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | FLT3-IN-16 is a potent FLT3 inhibitor with an IC <sub>50</sub> of 1.1 μM. FLT3-IN-16 can be used for researching acute myeloid leukemia [1].                                                                                                           |
| IC <sub>50</sub> & Target | IC50: 1.1 μM (FLT3) <sup>[1]</sup>                                                                                                                                                                                                                     |
| In Vitro                  | FLT3-IN-16 (compound 9, 0-10 μM) exhibits anti-proliferative activities against MV4-11 cells with an IC <sub>50</sub> value of 2.0 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. Patch RJ, et, al. Identification of 2-acylaminothiophene-3-carboxamides as potent inhibitors of FLT3. Bioorg Med Chem Lett. 2006 Jun 15;16(12):3282-6.

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

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