



# 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

### SZABO-SCANDIC HandelsgmbH

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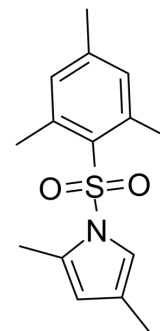
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## HJC0350

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-15702                                                                                                                                 |
| CAS No.:           | 885434-70-8                                                                                                                              |
| Molecular Formula: | C <sub>15</sub> H <sub>19</sub> NO <sub>2</sub> S                                                                                        |
| Molecular Weight:  | 277.38                                                                                                                                   |
| Target:            | Others                                                                                                                                   |
| Pathway:           | Others                                                                                                                                   |
| Storage:           | <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 2 years</div> <div>-20°C 1 year</div> |



### SOLVENT & SOLUBILITY

|                                                                               |                                                          |                                                       |           |           |            |            |
|-------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|-----------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 33.33 mg/mL (120.16 mM; Need ultrasonic)          |                                                       |           |           |            |            |
|                                                                               | Preparing Stock Solutions                                | <div><div>Solvent</div><div>Concentration</div></div> | Mass      | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                          |                                                       |           |           |            |            |
|                                                                               |                                                          | 1 mM                                                  |           | 3.6052 mL | 18.0258 mL | 36.0516 mL |
|                                                                               |                                                          | 5 mM                                                  |           | 0.7210 mL | 3.6052 mL  | 7.2103 mL  |
|                                                                               | 10 mM                                                    |                                                       | 0.3605 mL | 1.8026 mL | 3.6052 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |                                                          |                                                       |           |           |            |            |
| In Vivo                                                                       | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil |                                                       |           |           |            |            |
|                                                                               | Solubility: ≥ 2.5 mg/mL (9.01 mM); Clear solution        |                                                       |           |           |            |            |

### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | HJC0350 is a potent and specific EPAC2 antagonist with an IC <sub>50</sub> of 0.3 μM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| IC <sub>50</sub> & Target | IC <sub>50</sub> : 0.3 μM (EPAC2) <sup>[1]</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| In Vitro                  | <p>HJC0350 has an apparent IC<sub>50</sub> value of 0.3 μM for competing with 8-NBD-cAMP binding of EPAC2, and is about 133-fold more potent than cAMP. HJC0350 is found not to inhibit EPAC1-mediated Rap1-GDP exchange activity at 25 μM in the presence of equal concentration of cAMP, indicating that it is EPAC2-specific antagonists. Pretreatment of HEK293/EPAC2-FL cells with 10 μM HJC0350 fully blocks the 007-AM induced decrease of FRET<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |

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## CUSTOMER VALIDATION

- Int J Mol Sci. 2018 Oct 7;19(10). pii: E3053.
- Stem Cells. 2022 Jun 30;sxac046.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

[1]. Chen H, et al. Identification and characterization of small molecules as potent and specific EPAC2 antagonists. J Med Chem. 2013 Feb 14;56(3):952-62.

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

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