



# SZABO SCANDIC

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## 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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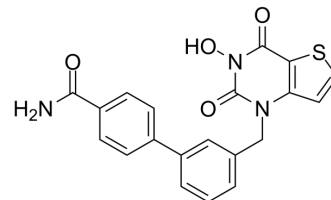
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## FEN1-IN-2

|                    |                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-122695                                                                                                                                                                        |
| CAS No.:           | 824983-94-0                                                                                                                                                                      |
| Molecular Formula: | C <sub>20</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub> S                                                                                                                  |
| Molecular Weight:  | 393.42                                                                                                                                                                           |
| Target:            | FLAP                                                                                                                                                                             |
| Pathway:           | Immunology/Inflammation                                                                                                                                                          |
| Storage:           | <div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    6 months</div> <div>-20°C    1 month</div> </div> |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (254.18 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 2.5418 mL | 12.7091 mL | 25.4181 mL |
|                              | 5 mM                     |      | 0.5084 mL | 2.5418 mL  | 5.0836 mL  |
|                              | 10 mM                    |      | 0.2542 mL | 1.2709 mL  | 2.5418 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

FEN1-IN-2 (compound 20) is a flap endonuclease 1 (FEN1) inhibitor, with IC<sub>50</sub> values of 3 nM and 226 nM for FEN1 and XPG, respectively<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 3 nM (FEN1), 226 nM (XPG)<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Sens Actuators B Chem. 2023 Oct 15, 393, 134265.

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

### REFERENCES

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[1]. L Nathan Tumey, et al. The identification and optimization of a N-hydroxy urea series of flap endonuclease 1 inhibitors. Bioorg Med Chem Lett. 2005 Jan 17;15(2):277-81.

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

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