



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

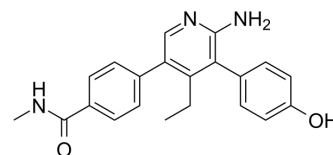
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## USP7-IN-8

|                    |                                                                                  |
|--------------------|----------------------------------------------------------------------------------|
| Cat. No.:          | HY-134817                                                                        |
| CAS No.:           | 2009273-60-1                                                                     |
| Molecular Formula: | C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub>                    |
| Molecular Weight:  | 347.41                                                                           |
| Target:            | Deubiquitinase                                                                   |
| Pathway:           | Cell Cycle/DNA Damage                                                            |
| Storage:           | Powder    -20°C    3 years<br>In solvent   -80°C    6 months<br>-20°C    1 month |



## SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                                       |      |           |            |            |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 83.33 mg/mL (239.86 mM; Need ultrasonic)                                                                                           |                                                       |      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                                  |      | 2.8784 mL | 14.3922 mL | 28.7844 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                  |      | 0.5757 mL | 2.8784 mL  | 5.7569 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                                 |      | 0.2878 mL | 1.4392 mL  | 2.8784 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: ≥ 2.08 mg/mL (5.99 mM); Clear solution |                                                       |      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.08 mg/mL (5.99 mM); Clear solution            |                                                       |      |           |            |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil                                                                                  |                                                       |      |           |            |            |
|                                                                               | Solubility: ≥ 2.08 mg/mL (5.99 mM); Clear solution                                                                                        |                                                       |      |           |            |            |

## BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | USP7-IN-8 (example 81) is a selective ubiquitin-specific protease 7 (USP7) inhibitor with an IC <sub>50</sub> of 1.4 μM in an Ub-Rho110 assay. USP7-IN-8 shows no activity against USP47 and USP5. USP7-IN-8 has anticancer effects <sup>[1]</sup> .                                        |
| IC <sub>50</sub> & Target | IC <sub>50</sub> : 1.4 μM (USP7)                                                                                                                                                                                                                                                            |
| In Vitro                  | USP7 or HAUSP (herpesvirus-associated USP) is a ubiquitin specific protease or a deubiquitylating enzyme that cleaves ubiquitin from its substrates. USP7 is a eubiquitinase (DUB) that controls cell proliferation by altering the stability of Mdm2, p53, PTEN and FOXO4 <sup>[1]</sup> . |

---

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

---

## REFERENCES

---

[1]. Robert Blake, et al. Usp7 inhibitor compounds and methods of use. US20160272588A1.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA