



# 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

Quellenstraße 110, A-1100 Wien

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

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

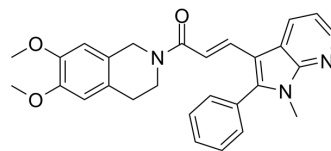
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## (E/Z)-SIS3 free base

<b>Cat. No.:</b>	HY-W803134
<b>CAS No.:</b>	1009104-85-1
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>27</sub> N <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	453.53
<b>Target:</b>	TGF-beta/Smad
<b>Pathway:</b>	Stem Cell/Wnt; TGF-beta/Smad
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	E/Z-SIS3 free base exhibits an inhibitory efficacy against smad3, exhibits an anti-fibrotic and anti-inflammatory effect through a TGF-β/smad3 signaling pathway <sup>[1]</sup> .								
<b>In Vivo</b>	<p>E/Z-SIS3 free base (2 mg/kg, i.p.) inhibits smad3 phosphorylation and levels of TGF-β1, ameliorates bleomycin (BLM)-induced pulmonary fibrosis (PF) and inflammation in C57BL/6J mice<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>BLM-induced PF in C57BL/6J mice<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>2 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p., every two days for 3 weeks</td> </tr> <tr> <td>Result:</td> <td>Inhibited the fibrosis and collagen deposition in lung. Reduced numbers of lymphocytes, macrophages, and neutrophils in bronchoalveolar Lavage (BAL).</td> </tr> </table>	Animal Model:	BLM-induced PF in C57BL/6J mice <sup>[1]</sup>	Dosage:	2 mg/kg	Administration:	i.p., every two days for 3 weeks	Result:	Inhibited the fibrosis and collagen deposition in lung. Reduced numbers of lymphocytes, macrophages, and neutrophils in bronchoalveolar Lavage (BAL).
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### REFERENCES

[1]. Shou J, et al., SIS3, a specific inhibitor of smad3, attenuates bleomycin-induced pulmonary fibrosis in mice. *Biochem Biophys Res Commun*. 2018 Sep 5;503(2):757-762.

**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

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