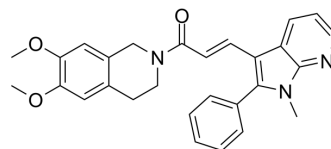


(E/Z)-SIS3 free base

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



BIOLOGICAL ACTIVITY

Description	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 ^[1] .								
In Vivo	<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^[1].</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^[1]</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 ^[1]	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.

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