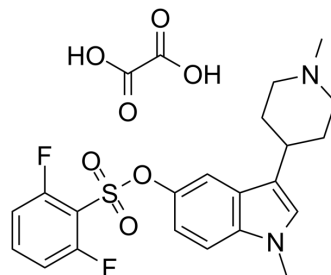


SGS518 oxalate

Cat. No.:	HY-19668A
CAS No.:	445441-27-0
Molecular Formula:	C ₂₃ H ₂₄ F ₂ N ₂ O ₇ S
Molecular Weight:	510.51
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SGS518 oxalate is a selective 5-HT ₆ R antagonist. SGS518 oxalate can be used for the research of cognitive impairments such as amnesia, anxiety and depression, and it is effective in protecting mouse retina at high doses ^[1]								
IC₅₀ & Target	5-HT ₆ Receptor								
In Vivo	<p>SGS518 oxalate (30 mg/kg; i.p. for 30 min) protects Abca4^{-/-}Rdh8^{sup>-/-} mouse retinas from light-induced damage^[1]. 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>Abca4^{-/-}Rdh8^{sup>-/-} mice are exposed at white light^[1]</td> </tr> <tr> <td>Dosage:</td> <td>30 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>I.p. injection for 30 minutes</td> </tr> <tr> <td>Result:</td> <td>A marked preservation of the photoreceptor layer. Reduced formation of autofluorescent spots in mice. Protected retinal morphology.</td> </tr> </table>	Animal Model:	Abca4 ^{-/-} Rdh8 ^{sup>-/-} mice are exposed at white light ^[1]	Dosage:	30 mg/kg	Administration:	I.p. injection for 30 minutes	Result:	A marked preservation of the photoreceptor layer. Reduced formation of autofluorescent spots in mice. Protected retinal morphology.
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REFERENCES

[1]. Chen Y, et, al. Systems pharmacology identifies drug targets for Stargardt disease-associated retinal degeneration. J Clin Invest. 2013 Dec; 123(12): 5119-34.

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