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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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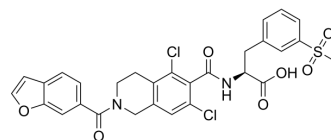
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Lifitegrast (Standard)

Cat. No.:	HY-19344R
CAS No.:	1025967-78-5
Molecular Formula:	C ₂₉ H ₂₄ Cl ₂ N ₂ O ₇ S
Molecular Weight:	615.48
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lifitegrast (Standard) is the analytical standard of Lifitegrast. This product is intended for research and analytical applications. Lifitegrast (SAR 1118) is a potent integrin antagonist. Lifitegrast blocks the binding of intercellular adhesion molecule 1 (ICAM-1) to lymphocyte function-associated antigen 1 (LFA-1), interrupting the T cell-mediated inflammatory cycle. Lifitegrast inhibits Jurkat T cell attachment to ICAM-1 with an IC ₅₀ of 2.98 nM. Lifitegrast can be used for researching dry eye disease ^[1] .
IC ₅₀ & Target	IC50: 2.98 nM (LFA-1) ^[1]

REFERENCES

- [1]. Perez VL, et al. Lifitegrast, a Novel Integrin Antagonist for Treatment of Dry Eye Disease. *Ocul Surf.* 2016 Apr;14(2):207-15.
- [2]. Sun Y, et al. Corneal inflammation is inhibited by the LFA-1 antagonist, lifitegrast (SAR 1118). *J Ocul Pharmacol Ther.* 2013 May;29(4):395-402.
- [3]. Rao VR, et al. Delivery of SAR 1118 to the retina via ophthalmic drops and its effectiveness in a rat streptozotocin(STZ) model of diabetic retinopathy (DR). *Invest Ophthalmol Vis Sci.* 2010 Oct;51(10):5198-204.

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

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