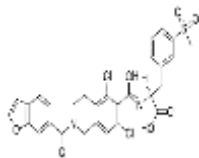


PRODUCT: Lifitegrast

ALTERNATE NAMES: (S)-2-(2-(benzofuran-6-carbonyl)-5,7-dichloro-1,2,3,4-tetrahydroisoquinoline-6-carboxamido)-3-(3-(methylsulfonyl)phenyl)propanoic acid; SAR-1118; SAR 1118; SAR1118; Lifitegrast, Xiidra.

CATALOG NUMBER: B1917-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₉H₂₄Cl₂N₂O₇S

MOLECULAR WEIGHT: 615.48

CAS NUMBER: 1025967-78-5

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Lifitegrast is a LFA-1 (lymphocyte function-associated antigen-1) antagonist intended for the treatment of vascular complications of the eye. Lifitegrast is a novel T-cell integrin antagonist that is designed to mimic the binding epitope of ICAM-1. It serves as a molecular decoy to block the binding of LFA-1/ICAM-1 and inhibits the downstream inflammatory process.

REFERENCES: Cemba, C.P., and Gadek, T.R. (2016). *Clin. Ophthalmol.* **10**, 1083-1094.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ICAM-1 (human) ELISA Kit (**K7161**)

ICAM-1 (mouse ELISA Kit (**K7162**)

ICAM-1 (rat) ELISA Kit (**K7163**)

Leukadherin-1 (**2059**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**