LKT Laboratories, Inc.

Baloxavir Marboxil

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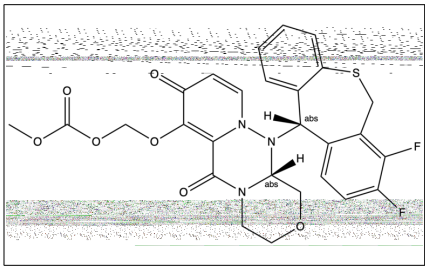
Product Information

Product ID B011460
CAS No. 1985606-14-1
Chemical Name (((12aR)-12-((11S)-7,8-difluoro-6,11-dihydrodibenzo(b,E)thiepin-11-yl)-6,8-dioxo-3,4,6,8,12,12ahexahydro-1H-(1,4)oxazino(3,4-C)pyrido(2,1-F)(1,2,4)triazin-7-yl)oxy)methyl methyl carbonate
Synonym Xofluza, , S-033188



Formula $C_{27}H_{23}F_2N_3O_7S$
Formula Wt. 571.6
Melting Point
Purity ≥ 99%
Solubility DMSO

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
B011460	5 mg	$47.30
B011460	25 mg	$78.80
B011460	100 mg	$131.30

Store Temp -20°C
Ship Temp Ambient
Description Baloxavir, and its prodrug baloxavir marboxil, is a cap-dependent endonuclease inhibitor, leading to inhibition of RNA transcription and replication. Baloxavir shows potent activity against two influenza A strains with noted synergistic effects when used in combination with oseltamivir. It has also been investigated for its potential to treat COVID-19 but no proven benefit has been observed.

References

Checkmahomed L, Padey B, Pizzorno A, et al. In vitro combinations of baloxavir acid and other inhibitors against seasonal influenza A viruses. Viruses. 2020 Oct 8;12(10):1139. PMID: 33049959.

Lou Y, Yao H, Hu X, et al. Clinical outcomes and plasma concentrations of baloxavir marboxil and favipiravir in COVID-19 patients: an exploratory randomized, controlled trial. Eur J Pharm Sci. 2020 Oct 25;105631. PMID: 33115675.

Janabi A. Effective anit-SARS-CoV-2 RNA dependent RNA polymerase drugs based on docking methods: the case of milbemycin, ivermectin, and baloxavir marboxil. Avicenna J Med Biotechnol. 2020 Oct-Dec;12(4):246-250. PMID: 33014317.

Saito R, Osada H, Wagatsuma K, et al. Duration of fever and symptoms in children after treatment with baloxavir marboxil and oseltamivir during the 2018-2019 season and detection of variant influenza A viruses with polymerase acidic subunit substitutions. Antiviral Res. 2020 Nov;183:104951. PMID: 32987032.