



LKT Laboratories, Inc.

## Baloxavir

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### Product Information

Product ID B011458

CAS No. 1985605-59-1

#### Chemical Name

Synonym Baloxavir acid, 4G86Y4JT3F

Formula  $C_{24}H_{19}F_2N_3O_4S$

Formula Wt. 483.5

Melting Point

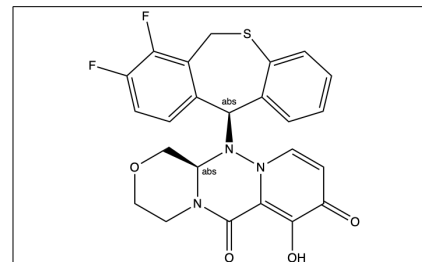
Purity  $\geq 99\%$

Solubility

Store Temp  $-20^{\circ}C$

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. Baloxavir has also been investigated for its potential to treat COVID-19 but no proven benefit has been observed.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size
B011458	1 mg
B011458	5 mg
B011458	25 mg

**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.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.