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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION



Baloxavir

Item No. 35125

CAS Registry No.: 1985605-59-1
Formal Name: (12aR)-12-[(11S)-7,8-difluoro-6,11-dihydrodibenzo[b,e]thiepin-11-yl]-3,4,12,12a-tetrahydro-7-hydroxy-1H-[1,4]oxazino[3,4-c]pyrido[2,1-f][1,2,4]triazine-6,8-dione
Synonyms: BXA, S-033447

MF: C₂₄H₁₉F₂N₃O₄S

FW: 483.5

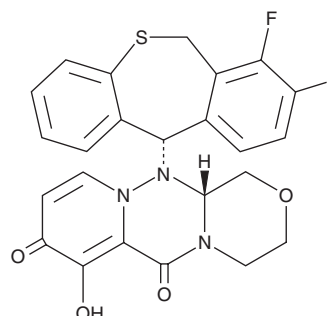
Purity: ≥98%

UV/Vis.: λ_{max}: 260 nm

Supplied as: A solid

Storage: -20°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Baloxavir is supplied as a solid. A stock solution may be made by dissolving the baloxavir in the solvent of choice, which should be purged with an inert gas. Baloxavir is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of baloxavir in these solvents is approximately 1 and 10 mg/ml, respectively.

Description

Baloxavir is an active metabolite of baloxavir marboxil (Item No. 33214).¹ It inhibits influenza virus cap-dependent endonuclease (CEN) and CEN/RNA-dependent RNA polymerase (CEN/RdRp) activities in cell-free assays (IC₅₀s = 2.5 and 1.6 nM, respectively). Baloxavir reduces viral titers in MDCK cells infected with laboratory, clinical, or zoonotic strains of influenza A or B (EC₅₀s = 0.46-6.5 nM).

Reference

1. Noshi, T., Kitano, M., Taniguchi, K., *et al.* In vitro characterization of baloxavir acid, a first-in-class cap-dependent endonuclease inhibitor of the influenza virus polymerase PA subunit. *Antiviral Res.* **160**, 109-117 (2017).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM