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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

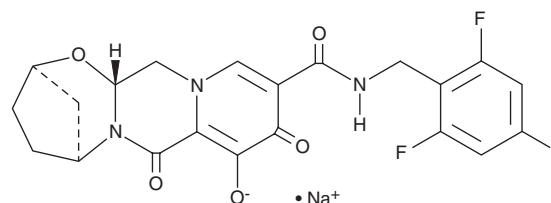


Bictegravir (sodium salt)

Item No. 37488

CAS Registry No.: 1807988-02-8
Formal Name: 2,3,4,5,7,9,13,13a-octahydro-8-hydroxy-7,9-dioxo-N-[(2,4,6-trifluorophenyl)methyl]-2,5-methanopyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazepine-10-carboxamide, monosodium salt

Synonym: GS-9883
MF: C₂₁H₁₇F₃N₃O₅ • Na
FW: 471.4
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

Bictegravir (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the bictegravir (sodium salt) in the solvent of choice, which should be purged with an inert gas. Bictegravir (sodium salt) is soluble in the organic solvent methanol.

Description

Bictegravir is an inhibitor of HIV-1 integrase (IC₅₀ = 7.5 nM for strand transfer activity).¹ It has antiviral activity against clinical isolates of HIV-1 in human peripheral blood mononuclear cells (PBMCs; EC₅₀s = 0.04-1.7 nM). Bictegravir also inhibits HIV-1 viral infection in MT-2 and MT-4 cells, CD4⁺ T cells, and macrophages (EC₅₀s = 1.5, 2.5, 1.5, and 6.6 nM, respectively) without exhibiting cytotoxicity (CC₅₀s = 10.3, 3.7, 13, and 29.8 μM, respectively). Formulations containing bictegravir in combination with emtricitabine and tenofovir alafenamide have been used in the treatment of HIV-1 infections.

Reference

1. Tsiang, M., Jones, G.S., Goldsmith, J., *et al.* Antiviral activity of bictegravir (GS-9883), a novel potent HIV-1 integrase strand transfer inhibitor with an improved resistance profile. *Antimicrob. Agents Chemother.* **60**(12), 7086-7097 (2016).

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.

WARRANTY AND LIMITATION OF REMEDY

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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