



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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

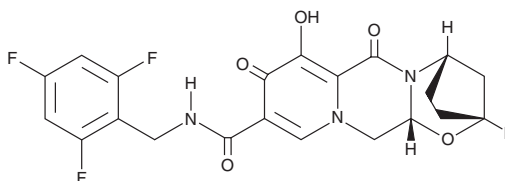


Bictegravir

Item No. 26532

CAS Registry No.: 1611493-60-7
Formal Name: (2R,5S,13aR)-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

Synonym: GS-9883
MF: C₂₁H₁₈F₃N₃O₅
FW: 449.4
Purity: ≥98%
UV/Vis.: λ_{max}: 248, 260, 322 nm
Supplied as: A crystalline 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 is supplied as a crystalline solid. A stock solution may be made by dissolving the bictegravir in the solvent of choice, which should be purged with an inert gas. Bictegravir is soluble in methanol and DMSO.

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 10/18/2023

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