



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) 

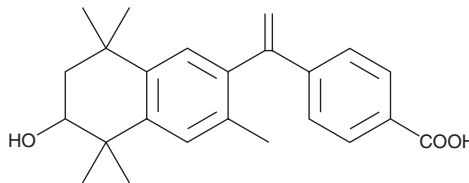
PRODUCT INFORMATION



6-hydroxy Bexarotene

Item No. 22098

CAS Registry No.: 368451-07-4
Formal Name: 4-[1-(5,6,7,8-tetrahydro-6-hydroxy-3,5,5,8,8-pentamethyl-2-naphthalenyl)ethenyl]-benzoic acid
MF: C₂₄H₂₈O₃
FW: 364.5
Purity: ≥98%
UV/Vis.: λ_{max}: 204, 264 nm
Supplied as: A crystalline 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

6-hydroxy Bexarotene is supplied as a crystalline solid. A stock solution may be made by dissolving the 6-hydroxy bexarotene in the solvent of choice. 6-hydroxy Bexarotene is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of 6-hydroxy bexarotene in these solvents is approximately 0.5, 10, and 20 mg/ml, respectively.

6-hydroxy Bexarotene is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 6-hydroxy bexarotene should first be dissolved in DMF and then diluted with the aqueous buffer of choice. 6-hydroxy Bexarotene has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

6-hydroxy Bexarotene is an oxidative metabolite of bexarotene (Item No. 11571), a high-affinity ligand for retinoid X receptors (RXRs).¹ 6-hydroxy Bexarotene binds to RXR α , RXR β , and RXR γ as well as retinoic acid receptor α (RAR α ; K_ds = 3.46, 4.21, 4.83, and 8.17 μ M, respectively). It selectively activates RXR α , RXR β , and RXR γ over RAR α , RAR β , and RAR γ *in vitro* (EC₅₀s = 398, 356, 420, 4,414, 2,121, and 2,043 nM, respectively).

Reference

1. Howell, S.R., Shirley, M.A., Grese, T.A., *et al.* Bexarotene metabolism in rat, dog, and human, synthesis of oxidative metabolites, and *in vitro* activity at retinoid receptors. *Drug Metab. Dispos.* **29(7)**, 990-998 (2001).

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, 04/11/2018

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