



# 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

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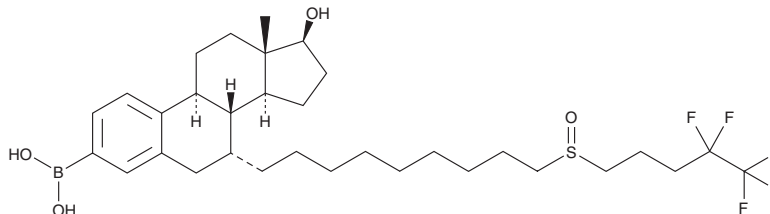
# PRODUCT INFORMATION



## ZB716

Item No. 42238

**CAS Registry No.:** 1853279-29-4  
**Formal Name:** B-[(7 $\alpha$ ,17 $\beta$ )-17-hydroxy-7-[9-[(4,4,5,5,5-pentafluoropentyl)sulfinyl]nonyl]estra-1,3,5(10)-trien-3-yl]-boronic acid  
**Synonym:** Fulvestrant-3 Boronic Acid  
**MF:** C<sub>32</sub>H<sub>48</sub>BF<sub>5</sub>O<sub>4</sub>S  
**FW:** 634.6  
**Purity:**  $\geq$ 95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:**  $\geq$ 4 years



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

### Laboratory Procedures

ZB716 is supplied as a solid. A stock solution may be made by dissolving the ZB716 in the solvent of choice, which should be purged with an inert gas. ZB716 is soluble in the organic solvent DMSO.

### Description

ZB716 is a degrader of estrogen receptor  $\alpha$  (ER $\alpha$ ; IC<sub>50</sub> = 4.1 nM).<sup>1</sup> It inhibits estradiol-induced ER $\alpha$  transcriptional activity in a reporter assay using T47D cells when used at concentrations of 1 or 10 nM. ZB716 decreases the proliferation of MCF-7 and T47D breast cancer cells and tamoxifen-resistant MCF-7 and T47D cells (IC<sub>50</sub>s = 0.0032, 0.0062, 0.069, and 0.037 nM, respectively).

### Reference

1. Liu, J., Zheng, S., Akerstrom, V.L., et al. Fulvestrant-3 boronic acid (ZB716): An orally bioavailable selective estrogen receptor downregulator (SERD). *J. Med. Chem.* **59**(17), 8134-8140 (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.

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