



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

# PRODUCT INFORMATION



## Ezutromid

Item No. 20309

CAS Registry No.: 945531-77-1

Formal Name: 5-(ethylsulfonyl)-2-(2-naphthalenyl)-benzoxazole

Synonyms: BMN 195, SMT-C1100, VOX-C1100

MF:  $C_{19}H_{15}NO_3S$

FW: 337.4

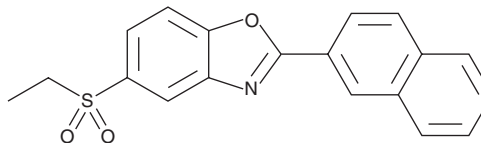
Purity:  $\geq 98\%$

UV/Vis.:  $\lambda_{max}$ : 236, 255, 262, 314 nm

Supplied as: A crystalline solid

Storage:  $-20^{\circ}\text{C}$

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



### Laboratory Procedures

Ezutromid is supplied as a crystalline solid. A stock solution may be made by dissolving the ezutromid in the solvent of choice. Ezutromid is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of ezutromid in these solvents is approximately 3 and 2 mg/ml, respectively.

Ezutromid is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ezutromid should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Ezutromid has a solubility of approximately 0.3 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

Ezutromid is an orally bioavailable small molecule that transcriptionally upregulates the utrophin gene, increasing both utrophin mRNA and protein.<sup>1</sup> Through this action, ezutromid increases muscle function in dystrophin-deficient *mdx* mice, a mouse model of muscular dystrophy.<sup>1</sup> A double-blind, placebo-controlled Phase I study demonstrated that ezutromid is safe and well tolerated in healthy volunteers.<sup>2</sup>

### References

1. Tinsley, J.M., Fairclough, R.J., Storer, R., *et al.* Daily treatment with SMTC1100, a novel small molecule utrophin upregulator, dramatically reduces the dystrophic symptoms in the *mdx* mouse. *PLoS One* **6**(5), e19189 (2011).
2. Tinsley, J., Robinson, N., and Davies, K.E. Safety, tolerability, and pharmacokinetics of SMT C1100, a 2-arylbenzoxazole utrophin modulator, following single- and multiple-dose administration to healthy male adult volunteers. *J. Clin. Pharmacol.* **55**(6), 698-707 (2015).

#### 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, 12/02/2016

#### 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