



# 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



## TVB-2640

Item No. 35703

**CAS Registry No.:** 1399177-37-7  
**Formal Name:** 4-[1-[4-cyclobutyl-2-methyl-5-(3-methyl-1H-1,2,4-triazol-5-yl)benzoyl]-4-piperidinyl]-benzonitrile

**Synonyms:** Denifanstat,  
Fatty Acid Synthase Inhibitor 2,  
FASN-IN-2

**MF:** C<sub>27</sub>H<sub>29</sub>N<sub>5</sub>O

**FW:** 439.6

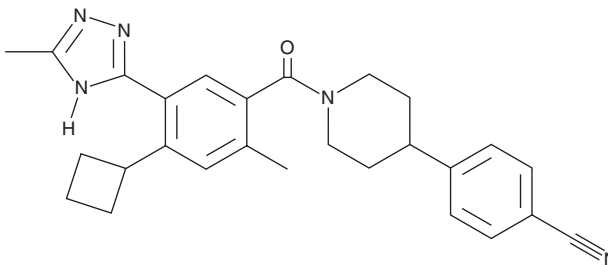
**Purity:** ≥98%

**UV/Vis.:** λ<sub>max</sub>: 231 nm

**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

TVB-2640 is supplied as a solid. A stock solution may be made by dissolving the TVB-2640 in the solvent of choice, which should be purged with an inert gas. TVB-2640 is soluble in DMSO.

### Description

TVB-2640 is an inhibitor of fatty acid synthase (FASN; IC<sub>50</sub> = 0.5 μM).<sup>1</sup> It inhibits infection of an infectious-clone-derived severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) reporter virus in HEK293T cells expressing human angiotensin-converting enzyme 2 (ACE2; EC<sub>50</sub> = 4 nM).<sup>2</sup>

### References

1. Syed-Abdul, M.M., Parks, E.J., Gaballah, A.H., *et al.* Fatty acid synthase inhibitor TVB-2640 reduces hepatic *de novo* lipogenesis in males with metabolic abnormalities. *Hepatology* **72(1)**, 103-118 (2020).
2. Chu, J., Xing, C., Du, Y., *et al.* Pharmacological inhibition of fatty acid synthesis blocks SARS-CoV-2 replication. *Nat. Metab.* **3(11)**, 1466-1475 (2021).

#### 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, 10/24/2022

#### 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