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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) 

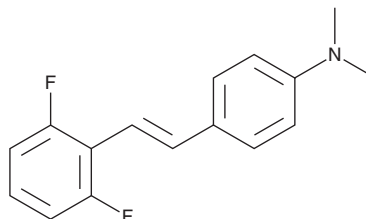
PRODUCT INFORMATION



FIDAS-3

Item No. 37716

CAS Registry No.: 1266684-01-8
Formal Name: 4-[(1E)-2-(2,6-difluorophenyl)ethenyl]-N,N-dimethyl-benzenamine
MF: C₁₆H₁₅F₂N
FW: 259.3
Purity: ≥98%
UV/Vis.: λ_{max}: 242, 356 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

FIDAS-3 is supplied as a solid. A stock solution may be made by dissolving the FIDAS-3 in the solvent of choice, which should be purged with an inert gas. FIDAS-3 is soluble in the organic solvent DMSO at a concentration of approximately 10 mM.

Description

FIDAS-3 is an inhibitor of S-adenosylmethionine synthase isoform type-2 (AdoMet synthase 2; IC₅₀ = 4.9 μM).¹ It also is an inhibitor of human-ether-a-go-go (hERG; IC₅₀ = 32.1 μM in a voltage-clamp assay using HEK293 cells expressing hERG).² FIDAS-3 reduces the proliferation of LS 174T colorectal cancer cells (IC₅₀ = 26.9 μM) and the levels of Axin2 and c-Myc in the same cells when used at a concentration of 10 μM.^{1,3} Intraperitoneal administration of FIDAS-3 (20 mg/kg per day) decreases tumor growth in an LS 174T mouse xenograft model.³

References

1. Sviripa, V.M., Zhang, W., Balia, A.G., *et al.* 2',6'-Dihalostyrylanilines, pyridines, and pyrimidines for the inhibition of the catalytic subunit of methionine S-adenosyltransferase-2. *J. Med. Chem.* **57**(14), 6083-6091 (2014).
2. Zhang, W., Sviripa, V., Chen, X., *et al.* Fluorinated N,N-dialkylaminostilbenes repress colon cancer by targeting methionine S-adenosyltransferase 2A. *ACS Chem. Biol.* **8**(4), 796-803 (2013).
3. Zhang, W., Sviripa, V., Kril, L.M., *et al.* Fluorinated N,N-dialkylaminostilbenes for Wnt pathway inhibition and colon cancer repression. *J. Med. Chem.* **54**(5), 1288-1297 (2011).

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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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