



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

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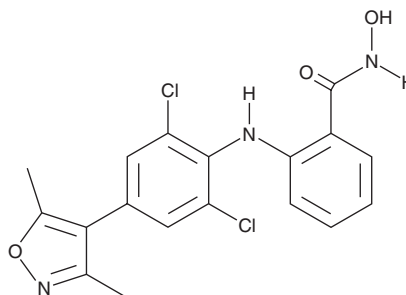
PRODUCT INFORMATION



FB23-2

Item No. 36606

CAS Registry No.: 2243736-45-8
Formal Name: 2-[[2,6-dichloro-4-(3,5-dimethyl-4-isoxazolyl)phenyl]amino]-N-hydroxy-benzamide
MF: C₁₈H₁₅Cl₂N₃O₃
FW: 392.2
Purity: ≥98%
UV/Vis.: λ_{max}: 216 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

FB23-2 is supplied as a solid. A stock solution may be made by dissolving the FB23-2 in the solvent of choice, which should be purged with an inert gas. FB23-2 is slightly soluble in methanol, DMSO, and dimethyl formamide.

Description

FB23-2 is an inhibitor of the mRNA N⁶-methyladenosine (m⁶A) demethylase fat mass and obesity-associated (FTO) protein (IC₅₀ = 2.6 μM).¹ It reduces the proliferation of NB4 and Mono-Mac-6 cells (IC₅₀s = 0.8 and 1.5 μM, respectively). FB23-2 increases m⁶A levels in isolated human bone marrow cells, as well as suppresses the proliferation of isolated human bone marrow cells and a panel of acute myeloid leukemia (AML) cells (IC₅₀s = 1.9-5.2 μM). *In vivo*, FB23-2 (2 mg/kg) delays disease onset and increases survival in a Mono-Mac-6 mouse xenograft model.

Reference

- Huang, Y., Su, R., Sheng, Y., *et al.* Small-molecule targeting of oncogenic FTO demethylase in acute myeloid leukemia. *Cancer Cell* **35**(4), 677-691.e10 (2019).

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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