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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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



TG2-179-1

Item No. 38874

CAS Registry No.: 1135023-19-6
Formal Name: 2-[[5-(4-chlorophenyl)-1,3,4-oxadiazol-2-yl]thio]-N-[3-cyano-4-(4-fluorophenyl)-5-methyl-2-thienyl]-acetamide

MF: C₂₂H₁₄ClFN₄O₂S₂

FW: 485.0

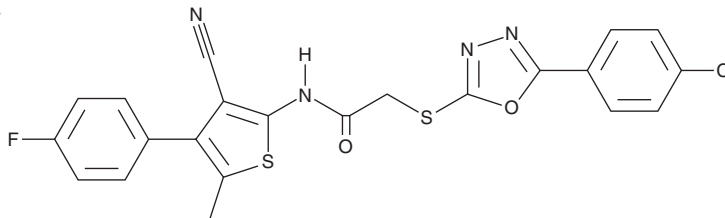
Purity: ≥95%

UV/Vis.: λ_{max}: 244, 279 nm

Supplied as: A solid

Storage: -20°C

Stability: ≥3 years



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

Laboratory Procedures

TG2-179-1 is supplied as a solid. A stock solution may be made by dissolving the TG2-179-1 in the solvent of choice, which should be purged with an inert gas. TG2-179-1 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of TG2-179-1 in DMSO is approximately 1 mg/ml and approximately 2 mg/ml in ethanol and DMF.

Description

TG2-179-1 is an inhibitor of BRCA1-associated protein 1 (BAP1).¹ It inhibits the deubiquitinase activity of BAP1 in a cell-free assay when used at concentrations ranging from 25 μM to 1.5 mM. TG2-179-1 is cytotoxic against a panel of eight colon cancer cell lines (IC₅₀s = 4.48-7.52 μM). *In vivo*, TG2-179-1 (10 and 30 mg/kg) reduces tumor volume in an HCT116 colon cancer mouse xenograft model.

Reference

1. Kang, M., Park, S.G., Lee, S.-A., *et al.* Targeting BAP1 with small compound inhibitor for colon cancer treatment. *Sci. Rep.* **13**(1), 2264 (2023).

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

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