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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



MRTX-1133

Item No. 36413

CAS Registry No.: 2621928-55-8
Formal Name: 4-[4-(3,8-diazabicyclo[3.2.1]oct-3-yl)-8-fluoro-2-[[[(2R,7aS)-2-fluorotetrahydro-1H-pyrrolizin-7a(5H)-yl]methoxy]pyrido[4,3-d]pyrimidin-7-yl]-5-ethynyl-6-fluoro-2-naphthalenol

MF: C₃₃H₃₁F₃N₆O₂

FW: 600.6

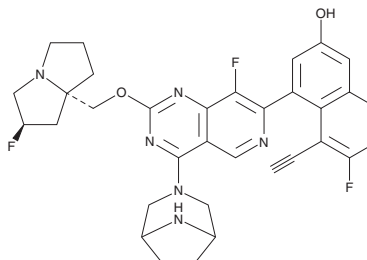
Purity: ≥98%

UV/Vis.: λ_{max}: 230 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

MRTX-1133 is supplied as a solid. A stock solution may be made by dissolving the MRTX-1133 in the solvent of choice, which should be purged with an inert gas. MRTX-1133 is soluble in the organic solvent DMSO at a concentration of approximately 50 mg/ml.

Description

MRTX-1133 is an inhibitor of K-Ras^{G12D}, a mutant form of K-Ras that accumulates in cancer cells.¹ It selectively reduces ERK phosphorylation in AsPC-1 cells expressing mutant K-Ras^{G12D} (IC₅₀ = 10.8 nM) over MiaPaCa-2 and SW620 cells expressing mutant K-Ras^{G12C} or K-Ras^{G12V} (IC₅₀s = 456 and 4,400 nM, respectively) and MCF-7 cells expressing wild-type K-Ras in which ERK phosphorylation was not reduced.

Reference

- Swiatnicki, M., Engel, L., Shrestha, R., *et al.* Profiling oncogenic KRAS mutant drugs with a cell-based Lumit p-ERK immunoassay. *SLAS Discov.* **S2472-5552(22)**, (2022).

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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