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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

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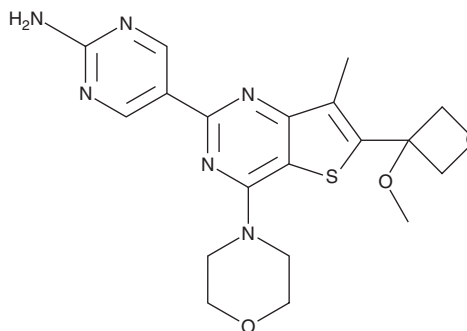
PRODUCT INFORMATION



GNE-317

Item No. 27671

CAS Registry No.: 1394076-92-6
Formal Name: 5-[6-(3-methoxy-3-oxetanyl)-7-methyl-4-(4-morpholinyl)thieno[3,2-d]pyrimidin-2-yl]-2-pyrimidinamine
MF: C₁₉H₂₂N₆O₃S
FW: 414.5
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

GNE-317 is supplied as a solid. A stock solution may be made by dissolving the GNE-317 in the solvent of choice, which should be purged with an inert gas. GNE-317 is soluble in DMSO.

Description

GNE-317 is a dual inhibitor of PI3K α and the mammalian target of rapamycin (mTOR; apparent K_is = 2 and 9 nM, respectively).¹ It inhibits the proliferation of PC3 prostate cancer and A172 glioblastoma cells with EC₅₀ values of 132 and 240 nM, respectively. GNE-317 (10-40 mg/kg) reduces tumor growth in a U87MG/M glioblastoma mouse xenograft model.

Reference

1. Heffron, T.P., Salphati, L., Alicke, B., *et al.* The design and identification of brain penetrant inhibitors of phosphoinositide 3-kinase α . *J. Med. Chem.* **55**(18), 8007-8020 (2012).

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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