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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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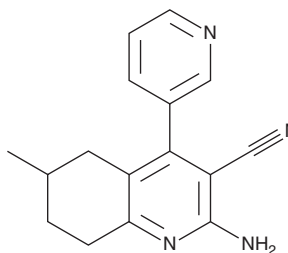
PRODUCT INFORMATION



BRD6989

Item No. 35358

CAS Registry No.: 642008-81-9
Formal Name: 2-amino-5,6,7,8-tetrahydro-6-methyl-4-(3-pyridinyl)-3-quinolinecarbonitrile
MF: C₁₆H₁₆N₄
FW: 264.3
Purity: ≥98%
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

BRD6989 is supplied as a solid. A stock solution may be made by dissolving the BRD6989 in the solvent of choice, which should be purged with an inert gas. BRD6989 is soluble in the organic solvent DMSO at a concentration of approximately 5 mg/ml.

Description

BRD6989 is an inhibitor of the Cdk8/cyclin C complex.¹ It selectively binds to the Cdk8/cyclin C complex (IC₅₀ = ~200 nM) over the Cdk1/cyclin B, Cdk2/cyclin A, Cdk5/p35, Cdk7/cyclin H, and Cdk9/cyclin T complexes at 1,000 nM. BRD6989 increases the production of IL-10 in primary mouse bone marrow-derived dendritic cells (BMDCs) stimulated with zymosan A (Item No. 21175) with an EC₅₀ value of approximately 1 μM and reduces zymosan A-induced increases in IL-6 levels in the same cells.

Reference

- Johannessen, L., Sundberg, T.B., O'Connell, D.J., *et al.* Small-molecule studies identify CDK8 as a regulator of IL-10 in myeloid cells. *Nat. Chem. Biol.* **13**(10), 1102-1108 (2017).

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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