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Produktinformation



Forschungsprodukte & Biochemikalien



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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



BAY-299

Item No. 19777

CAS Registry No.: 2080306-23-4

Formal Name: 2-(2,3-dihydro-1,3,6-trimethyl-2-oxo-1H-benzimidazol-5-yl)-6-(3-hydroxypropyl)-1H-benz[de]isoquinoline-1,3(2H)-dione

MF: $C_{25}H_{23}N_3O_4$

FW: 429.5

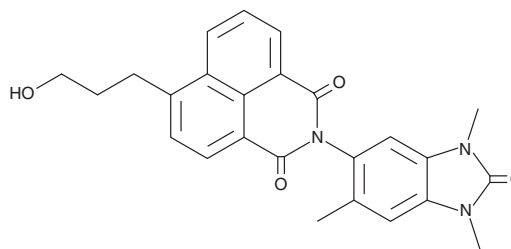
Purity: $\geq 98\%$

UV/Vis.: λ_{max} : 215, 236, 294, 342 nm

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

BAY-299 is supplied as a crystalline solid. A stock solution may be made by dissolving the BAY-299 in the solvent of choice. BAY-299 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of BAY-299 in these solvents is approximately 20 and 30 mg/ml, respectively.

Description

BAY-299 is a potent and selective inhibitor of the bromodomain and PHD finger-containing (BRPF) family protein BRD1 ($IC_{50} = 6$ nM), also known as BRPF2, and the second bromodomain of transcription initiation factor TFIID subunits 1 (TAF1; $IC_{50} = 13$ nM).¹ BAY-299 is >30-fold selective over BRPF1, BRPF3, BRD9, and ATAD2 and is >300-fold selective over BRD4. See the Structural Genomics Consortium (SGC) website for more information.

Reference

1. Pérez-Salvia, M., and Esteller, M. Bromodomain inhibitors and cancer therapy: From structures to applications. *Epigenetics* (2016).

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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