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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



OF-1

Item No. 17124

CAS Registry No.: 919973-83-4

Formal Name: 4-bromo-N-(2,3-dihydro-6-methoxy-1,3-dimethyl-2-oxo-1H-benzimidazol-5-yl)-2-methylbenzenesulfonamide

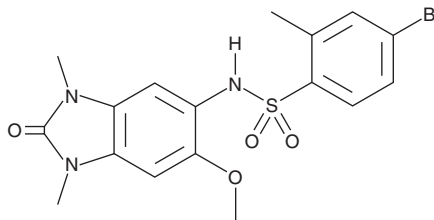
MF: $C_{17}H_{18}BrN_3O_4S$

FW: 440.3

Purity: $\geq 98\%$

Stability: ≥ 2 years at -20°C

Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that OF-1 be stored as supplied at -20°C . It should be stable for at least two years.

OF-1 is supplied as a crystalline solid. A stock solution may be made by dissolving the OF-1 in the solvent of choice. OF-1 is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of OF-1 in these solvents is approximately 1 and 5 mg/ml, respectively.

OF-1 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, OF-1 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. OF-1 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

OF-1 is a chemical probe for the bromodomains of the Bromodomain and PHD Finger-containing (BRPF) family of proteins. It binds BRPF1B, BRPF2, and BRPF3 with K_d values of 0.1, 0.5, and 2.4 μM , respectively, as determined by isothermal titration calorimetry. OF-1 increases thermal stability of full length BRPF1B at 1 μM , in the cellular thermal shift assay. It also demonstrates accelerated fluorescence recovery after photobleaching (FRAP) at 5 μM in the BRPF2 FRAP assay. OF-1 shows modest general cytotoxicity. See the Structural Genomics Consortium (SGC) website for further information.

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

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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