

Product Data Sheet

Product Name: PBRM1-BD2-IN-2

Cat. No.: GC73350

Chemical Properties

Cas. No. 2819989-57-4

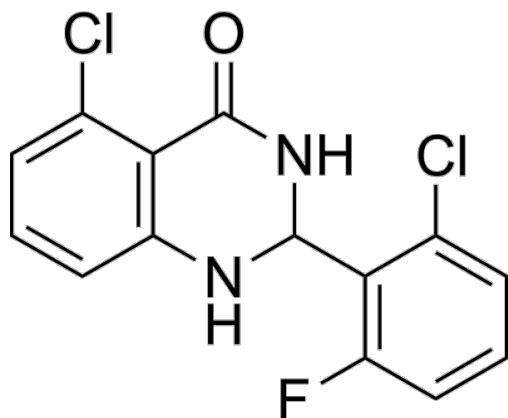
Formula $C_{14}H_9Cl_2FN_2O$ M.Wt 311.14

Solubility DMSO : 45 mg/mL (144.63 mM);
Need ultrasonic and warming) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

PBRM1-BD2-IN-2 is a selective and cell-active polybromo-1 (PBRM1) bromodomain inhibitor. PBRM1-BD2-IN-2 has binding affinity and inhibitory activity for PBRM1-BD2 with K_d and IC_{50} values of 9.3 μM and 1.0 μM , respectively. PBRM1-BD2-IN-2 can be used for the research of cancer.

PBRM1-BD2-IN-2 (0, 0.1, 1, and 10 μM ; 5 days) selectively inhibit growth of a PBRM1-dependent prostate cancer cell line[1]. PBRM1-BD2-IN-2 has binding affinity for PBRM1-BD2, PBRM1-BD5, SMARCA2B and SMARCA4 with K_d values of 9.3 μM , 10.1 μM , 18.4 μM and 69 μM ,

Caution: Product has not been fully validated for medical applications. For research use only.

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respectively[1].PBRM1-BD2-IN-2 has inhibitory activity for PBRM1-BD2 with IC50 value of 1.0 μ M[1].

References:

[1]. Shifali Shishodia, et al. Selective and Cell-Active PBRM1 Bromodomain Inhibitors Discovered through NMR Fragment Screening. J Med Chem. 2022 Oct 13.

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