

Product Data Sheet

Product Name: BAY-7728

Cat. No.: GC79154

Chemical Properties

Cas. No. 2767642-46-4

Formula $C_{20}H_{19}FN_2O_5S$ M.Wt 418.44

Solubility DMSO: 50 mg/mL (119.49 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

BAY-7728 is an orally active and selective dual inhibitor of KAT6A (IC₅₀: 45 nM)/ KAT6B (IC₅₀: 95 nM). BAY-7728 can effectively inhibit tumor growth and regulate the acetylation level of histone

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

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H3K23. BAY-7728 can be used for tumor research.

In Vivo, BAY-7728 (2.5-100 mg/kg; oral administration; once daily; 22 days) reduces intratumoral H3K23ac levels and inhibits tumor growth in a dose-dependent manner without obvious dose-limiting toxicity in NMRI nude mice bearing LCLC-97TM1 human lung cancer xenografts.

In Vitro, BAY-7728 exhibits IC₅₀ values of 55 nM and 164 nM against MVLN and ZR75-1 cells, respectively.

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