

BAY-184

Chemical Properties

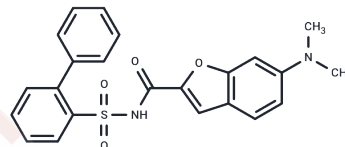
CAS No. : 2520347-03-7

Formula: C₂₃H₂₀N₂O₄S

Molecular Weight: 420.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BAY-184 is a selective oral inhibitor of KAT6A and KAT6B with IC ₅₀ values of 71 nM and 83 nM, respectively. This compound suppresses estrogen receptor α (ER α) transcriptional activity and impedes cell proliferation across various breast cancer subtypes as well as tumor growth.
Targets(IC ₅₀)	Estrogen Receptor/ERR,Histone Acetyltransferase

Solubility Information

Solubility	DMSO: 95 mg/mL (225.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3782 mL	11.8912 mL	23.7823 mL
5 mM	0.4756 mL	2.3782 mL	4.7565 mL
10 mM	0.2378 mL	1.1891 mL	2.3782 mL
50 mM	0.0476 mL	0.2378 mL	0.4756 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ter Laak A, et al. Discovery and Characterization of BAY-184: A New Potent and Selective Acylsulfonamide-Benzofuran In Vivo-Active KAT6AB Inhibitor. J Med Chem. 2024 Nov 14;67(21):19282-19303.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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