
Product Data Sheet

Product Name: WIN site inhibitor 1 TFA

Cat. No.: GC39460

Chemical Properties

Cas. No.

SMILES C1C=CC=C(CNC(C2=CC(CN3C(N(C)C=C3)=N)=CC(C4=C(C)N=C(F)C=C4)=C2)=O)C=C1Cl.O=C(O)C(F)(F)F

Formula C₂₇H₂₃Cl₂F₄N₅O₃

M.Wt 612.4

Solubility DMSO: ≥ 250 mg/mL (408.23 mM)

Storage Store at -20°C

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

Structure

Background

WIN site inhibitor 1 TFA is an inhibitor of the WIN site of chromatin-associated WD repeat-containing protein 5 (WDR5), with a K_d of 0.1 nM. WIN site inhibitor 1 TFA displaces WDR5 from chromatin and decreases the expression of associated genes, causing translational inhibition, nucleolar stress. Anti-cancer activity[1].

[1]. Aho ER, et al. Displacement of WDR5 from Chromatin by a WIN Site Inhibitor with Picomolar Affinity. Cell Rep. 2019 Mar 12;26(11):2916-2928.e13.

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

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