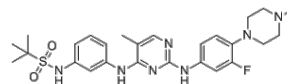


Product Name : Dual BET-Kinase inhibitor 3

Synonyms : BRD4-Kinases-IN-3; BRD4 Kinases IN 3; BRD4KinasesIN3;
BRD4 kinases inhibitor 3

Cat No. : M12912

CAS Number : 1877286-69-5



Molecular Formula : C₂₆H₃₄FN₇O₂S

Formula Weight : 527.66

Chemical Name : N-(3-((2-((3-fluoro-4-(4-methylpiperazin-1-yl)phenyl)amino)-5-methylpyrimidin-4-yl)amino)phenyl)-2-methylpropane-2-sulfonamide

Description : A potent, dual BET bromodomain-kinase inhibitor with IC₅₀ of 34, 1.1 and 1.1 nM for BRD4 BD1, JAK2 and FLT-3, respectively; also significantly inhibits NTRK3 (IC₅₀=5 nM), ROS1 (IC₅₀=11 nM), PDGFRβ (IC₅₀=16 nM) and FGFR1 (IC₅₀=43 nM), shows equal activity against the first and second bromodomains of BRD4 and shows only slightly reduced activity against BRDT-1; inhibits cell growth of MM and AML cell lines with IC₅₀ of <1 μM, reduces c-MYC and p-STAT3 levels and induces G1 arrest, display differential activity across cancer cell lineages.

Pathway : Chromatin/Epigenetic

Target : Bromodomain

Receptor : Bromodomain

Solubility : —

SMILES : CC(S(=O)(=O)NC1=CC=CC(NC2=NC(NC3=CC=C(N4CCN(C)CC4)C(F)=C3)=NC=C2C)=C1)=O)(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ember SW, et al. Mol Cancer Ther. 2017 Jun;16(6):1054-1067.