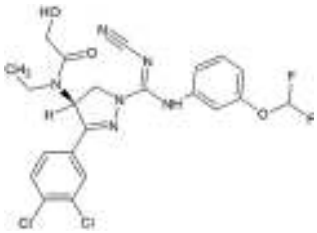
BAY-598

ALTERNATE NAME: BAY598
(S,E)-N-(1-(N'-cyano-N-(3-(difluoromethoxy)phenyl)carbamimidoyl)-3-(3,4-dichlorophenyl)-4,5-dihydro-1H-pyrazol-4-yl)-N-ethyl-2-hydroxyacetamide

CATALOG #:

B2667-5	5 mg
B2667-25	25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{22}H_{20}Cl_2F_2N_6O_3$

MOLECULAR WEIGHT: 525.34

CAS NUMBER: 1906919-67-2

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >40 mg/ml DMSO

DESCRIPTION: BAY-598 is a potent and selective competitive inhibitor of SMYD2 lysine methyltransferase (IC_{50} values are 27 and 58 nM for biochemical and cellular activity assays, respectively). It displays >100-fold selectivity for SMYD2 over a panel of 32 other methyltransferases including SMYD3, SUV420H1, and SUV420H2. Decreases p53K370me levels in HEK293 cells. Reduces methylation in tumor cells in a mouse xenograft model.

STORAGE TEMPERATURE: -20ºC. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

UNC0642 (2862)
3-Deazaneplanocin A (2060)
CPI-1205 (B2509)
UNC0224 (B2823)
PFI-2 (B1259)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***