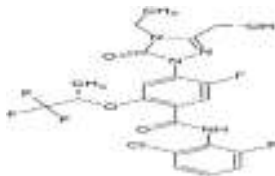


BAY-2402234

ALTERNATE NAME: N-(2-chloro-6-fluorophenyl)-4-[4-ethyl-4,5-dihydro-3-(hydroxymethyl)-5-oxo-1H-1,2,4-triazol-1-yl]-5-fluoro-2-[(1S)-2,2,2-trifluoro-1-methylethoxy]-benzamide
BAY2402234

CATALOG #: B3328-5 5 mg
B3328-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{21}H_{18}ClF_5N_4O_4$

MOLECULAR WEIGHT: 520.8

CAS NUMBER: 2225819-06-5

APPEARANCE: Solid

PURITY: $\geq 98\%$

SOLUBILITY: ~10 mg/ml DMSO
>20 mg/ml Ethanol

DESCRIPTION: BAY-2402234 is a potent dihydroorotate dehydrogenase (DHODH) inhibitor ($IC_{50} = 1.2$ nM). It induces upregulation of the cell differentiation marker CD11b in MOLM-13 and HEL acute myeloid leukemia (AML) cells ($EC_{50}s = 3.16$ and 0.96 nM, respectively) and inhibits the proliferation of nine leukemia cell lines ($IC_{50}s = 0.08$ - 8.2 nM). BAY-2402234 induces cell cycle arrest at the G2/M phase and apoptosis in TF-1 cells in a concentration-dependent manner.

STORAGE TEMPERATURE: $-20^{\circ}C$. 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:

DSM265 (B2639)
Brequinar Sodium (B2637)
Atovaquone (B2640)

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