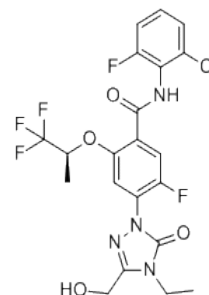


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :BAY 2402234
Cat.No. :URK-V692
CAS No. :2225819-06-5
Molecular Formula :C₂₁H₁₈ClF₅N₄O₄
Molecular Weight :520.841
Target :
Solubility :



Biological Activity

Orludodstat (BAY2402234) is a novel potent, selective, orally bioavailable DHODH inhibitor with IC₅₀ of 1.2 nM (human full-length DHODH).

BAY2402234 binds the ubiquinone binding site of DHODH between the N-terminal helices.

BAY2402234 causes dose-dependent upregulation of CD11b with EC₅₀s of 3.16 nM in MOLM-13 cells and 0.96 nM in HEL cells, inhibits the proliferation of THP-1 cells with an IC₅₀ of 2.6 nM, as well as nine other leukemia cell lines representing diverse AML subtypes (IC₅₀=0.08-8.2 nM).

BAY 2402234 shows monotherapy efficacy and differentiation induction across multiple AML subtypes both in vitro and in vivo.

References

1. Christian S, et al. Leukemia. 2019 Apr 2. doi: 10.1038/s41375-019-0461-5.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

Caution: Product has not been fully validated for medical applications. Lab Use Only!

JACK@UREIKO-CHEM.COM