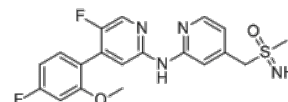


Product Name : Enitociclib
Cat. No. : PC-63127
CAS No. : 1610358-56-9
Molecular Formula : C₁₉H₁₈F₂N₄O₂S
Molecular Weight : 404.436
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Enitociclib ((±)-BAY-1251152) is a potent, highly specific **P-TEFb/CDK9** inhibitor with IC₅₀ of 3 nM.

BAY-1251152 exhibits ex vivo potency (MOLM-13 cells, IC₅₀=29 nM) and enhanced selectivity against CDK2, permeability, solubility, and no efflux.

BAY-1251152 has demonstrated IC₅₀ of 19.06, 16.57 and 74.64 nM against HeLa, SiHa and OVCAR-3 cells, respectively.

BAY-1251152 is the only selective CDK9 inhibitor currently undergoing clinical trials against advanced malignancies (NHL and solid tumors; NCT02635672).

References

Ulrich T. Luecking, et al. Abstract 984: Identification of potent and highly selective PTEFb inhibitor BAY 1251152 for the treatment of cancer: from p.o. to i.v. application via scaffold hops. DOI: 10.1158/1538-7445.

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

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