

Product Name : MYC inhibitor DC-34

Synonyms : DC-34

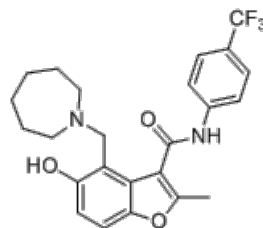
Cat No. : M13083

CAS Number : 1966107-70-9

Molecular Formula : C₂₄H₂₅F₃N₂O₃

Formula Weight : 446.47

Chemical Name : 4-(azepan-1-ylmethyl)-5-hydroxy-2-methyl-N-(4-(trifluoromethyl)phenyl)benzofuran-3-carboxamide



Description : MYC inhibitor DC-34 is a potent small molecule that selectively inhibits MYC at the transcriptional level only when a G-quadruplex (G4) is present in the promoter, binds to MYC G4 with K_d of 9.4 μM; does not transcriptionally downregulate several other G4-dependent genes to the same extent; binds independently to the MYC G4 3' and 5' ends, demonstrates cytotoxicity in L363 MM cells with IC₅₀ of 3.5 μM.

Pathway : Cell Cycle/DNA Damage

Target : c-Myc

Receptor : c-Myc

Solubility : —

SMILES : O=C(C1=C(C)OC2=CC=C(O)C(CN3CCCCC3)=C12)NC4=CC=C(C(F)(F)F)C=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Calabrese DR, et al. Nat Commun. 2018 Oct 12;9(1):4229. | 2. Felsenstein KM, et al. ACS Chem Biol. 2016 Jan 15;11(1):139-48.