

Product Name : YX-2-107

Synonyms : —

Cat No. : M36609

CAS Number : 2417408-46-7

Molecular Formula : C₄₅H₅₁N₁₁O₉

Formula Weight : 889.95

Chemical Name : —

Description : YX-2-107 is a PROTAC (IC₅₀= 4.4 nM) that selectively degrades CDK6. YX-2-107 effectively inhibits RB phosphorylation and FOXM1 expression in vitro and inhibits the development of Ph+ ALL in rats. YX-2-107 can be used in the study of Ph chromosome-positive (Ph+) acute lymphoblastic leukemia (ALL).

Pathway : Others

Target : Other Targets

Receptor : PROTACs | CDK

Solubility : In Vitro: ?DMSO : 100 mg/mL (112.37 mM; Ultrasonic)

SMILES : O=C1NC(=O)C(N2C(=O)C=3C=CC=C(OCC(=O)NCCCCNCC(=O)N4CCN(C5=CN=C(C=C5)NC=6N=CC7=C(N6)N(C(=O)C(C(=O)C)=C7C)C8CCCC8)CC4)C3C2=O)CC1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. De Dominici M, et al. Selective inhibition of Ph-positive ALL cell growth through kinase-dependent and -independent effects by CDK6-specific PROTACs. Blood. 2020 Apr 30;135(18):1560-1573.?