

Product Name : CDK inhibitor E9

Synonyms : E9

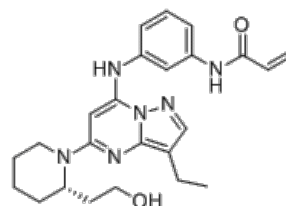
Cat No. : M13145

CAS Number : 2020052-55-3

Molecular Formula : C₂₄H₃₀N₆O₂

Formula Weight : 434.54

Chemical Name : (S)-N-(3-((3-ethyl-5-(2-(2-hydroxyethyl)piperidin-1-yl)pyrazolo[1,5-a]pyrimidin-7-yl)amino)phenyl)acrylamide



Description : CDK inhibitor E9 is a novel CDK inhibitor that can overcome ABC-mediated resistance of THZ1, functions as a potent, non-covalent inhibitor of CDK9 and a covalent inhibitor of CDK12; does not serve as a substrate for either ABCB1 or ABCG2, while avoiding ABC transporter-mediated efflux; decreases the phosphorylated and total RNAPII in THZ1R NB and lung cancer cells (IC₅₀=8-40 nM), accompanied by decreased MYC and MCL1 expression, exerts its cytotoxic effects through covalent modification of cysteine 1039 of CDK12.

Pathway : Angiogenesis

Target : CDK

Receptor : CDK

Solubility : —

SMILES : C=CC(NC1=CC=CC(NC2=CC(N3[C@H](CCO)CCCC3)=NC4=C(CC)C=NN24)=C1)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Gao Y, et al. Cell Chem Biol. 2018 Feb 15;25(2):135-142.e5.