

Product Name : AT-7519

Synonyms : AT 7519;AT7519

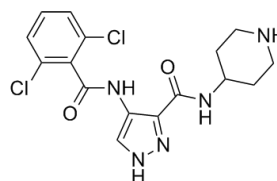
Cat No. : M16135

CAS Number : 844442-38-2

Molecular Formula : C₁₆H₁₇Cl₂N₅O₂

Formula Weight : 382.24

Chemical Name : 1H-Pyrazole-3-carboxamide, 4-[(2,6-dichlorobenzoyl)amino]-N-4-piperidiny-



Description : A potent CDK2 inhibitor with IC₅₀ of 47 nM; also inhibits CDK1/4/5 with IC₅₀ of 190/67/18 nM and shows selectivity over some kinases (Aurora A, IR kinase, MEK, PDK1, c-Abl, IC₅₀>10 uM); has antiproliferative activity against HCT116 cells with IC₅₀ of 82 nM; exhibits good profile against cytochrome P450 isoforms (<30% inhibition at 10 uM for 1A2, 2D6, 3A4, 2C9, 2C19). Blood Cancer Phase 2 Clinical

Pathway : Angiogenesis

Target : CDK

Receptor : CDK2/CyclinA;CDK4/CyclinD1;CDK5/p35;CDK9/CyclinT;GSK-3β

Solubility : 10 mM in DMSO

SMILES : c1cc(c(c(c1)Cl)C(=O)Nc2c[nH]nc2C(=O)NC3CCNCC3)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wyatt PG, et al. J Med Chem. 2008 Aug 28;51(16):4986-99. | 2. Squires MS, et al. Mol Cancer Ther. 2009 Feb;8(2):324-32. | 3. Dolman ME, et al. Clin Cancer Res. 2015 Nov 15;21(22):5100-9.