

Product Name	: AZD 5597
Synonyms	: AZD5597;AZD-5597
Cat No.	: M16626
CAS Number	: 924641-59-8
Molecular Formula	: C ₂₃ H ₂₈ FN ₇ O
Formula Weight	: 437.51
Chemical Name	: (S)-4-((5-fluoro-4-(1-isopropyl-2-methyl-1H-imidazol-5-yl)pyrimidin-2-yl)amino)phenyl)(3-(methylamino)pyrrolidin-1-yl)methanone
Description	: A highly potent cyclin-dependent kinase (CDK) inhibitor with IC ₅₀ of 2 nM for both CDK1 and CDK2; exhibits anti-proliferative activity against LoVo cells with IC ₅₀ of 39 nM, demonstrates anticancer activity in SW620 tumour xenograft, possesses suitable physiochemical and pharmacokinetic profiles for intravenous (i.v.) dosing.
Pathway	: Angiogenesis
Target	: CDK
Receptor	: CDK
Solubility	: —
SMILES	: <chem>O=C(C1=CC=C(NC2=NC=C(F)C(C3=CN=C(C)N3C(C)C)=N2)C=C1)N4C[C@@H](NC)CC4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jones CD, et al. Bioorg Med Chem Lett. 2008 Dec 15;18(24):6369-73.

