

Product Name	: Atuveciclib
Synonyms	: BAY 1143572;BAY1143572
Cat No.	: M11720
CAS Number	: 1414943-88-6
Molecular Formula	: C ₁₈ H ₁₈ FN ₅ O ₂ S
Formula Weight	: 387.43
Chemical Name	: (3-((4-(4-fluoro-2-methoxyphenyl)-1,3,5-triazin-2-yl)amino)benzyl)(imino)(methyl)-H6-sulfanone
Description	Atuveciclib (BAY-1143572) is a potent, highly selective, orally bioavailable CDK9/P-TEFb inhibitor with IC₅₀ of 6 nM for CDK9/CyclinT1; displays >150-fold selectivity over CDK1/2/3/5/6/7 (IC₅₀>800 nM), also shows submicromolar inhibitory activity against GSK3α (IC₅₀=45 nM), GSK3β (IC₅₀=87nM); demonstrates antiproliferative activity against HeLa cells (IC₅₀=920 nM) and MOLM - 13 cells (IC₅₀=310 nM); exhibits anticancer activity in human AML models. Blood Cancer Phase 1 Clinical
Pathway	: Angiogenesis
Target	: CDK
Receptor	: CDK
Solubility	: —
SMILES	: O=S(C)(CC1=CC=CC(NC2=NC(C3=CC=C(F)C=C3OC)=NC=N2)=C1)=N
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lücking U, et al. ChemMedChem. 2017 Nov 8;12(21):1776-1793. | 2. Narita T, et al. Blood. 2017 Aug 31;130(9):1114-1124.

