

Product Name	: TAK-901
Synonyms	: TAK901; TAK 901
Cat No.	: M16681
CAS Number	: 934541-31-8
Molecular Formula	: C ₂₈ H ₃₂ N ₄ O ₃ S
Formula Weight	: 504.64
Chemical Name	: 9H-Pyrido[2,3-b]indole-7-carboxamide, 5-[3-(ethylsulfonyl)phenyl]-3,8-dimethyl-N-(1-methyl-4-piperidyl)-
Description	: A multikinase inhibitor with IC ₅₀ of 21 nM and 15 nM for Aurora A/TPX2 and Aurora B/INCENP respectively; inhibits 56 kinases (IC ₅₀ < 100 nM); inhibits kinds of cancer cell lines with EC ₅₀ s of 40-500 nM; suppresses cellular histone H3 phosphorylation and induced polyploidy. Blood Cancer Phase 1 Discontinued
Pathway	: Cell Cycle/DNA Damage
Target	: Aurora Kinase
Receptor	: CLK2; c-Src; FGR; JAK3; Yes1
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(C1=C(C)C2=C(C(C3=CC=CC(S(=O)(CC)=O)=C3)=C1)C4=CC(C)=CN=C4N2)NC5CCN(C)CC5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Farrell P, et al. Mol Cancer Ther. 2013 Apr;12(4):460-70. | 2. Murai S, et al. Anticancer Res. 2017 Feb;37(2):437-444.