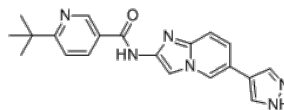


Product Name	: CLK inhibitor 2
Synonyms	: CLK1/2-IN-2; CLK1/2 inhibitor 2; CLK1/2-inhibitor-2; MDK 6204
Cat No.	: M10051
CAS Number	: 1005776-20-4
Molecular Formula	: C ₂₀ H ₂₀ N ₆ O
Formula Weight	: 360.42
Chemical Name	: N-(6-(1H-pyrazol-4-yl)imidazo[1,2-a]pyridin-2-yl)-6-(tert-butyl)nicotinamide
Description	: A potent, selective inhibitor of cdc2-like kinase CLK1 and CLK2 with IC ₅₀ of 1.1 and 2.4 nM, respectively; moderately inhibits PI3K α , and >100-fold selectivity over SRPK1/2/3; inhibits phospho-SRSF4 in MDA-MB-468 cells, induces alternative splicing of the S6K pre-mRNA at 1.1-3.3 μ M, exhibits growth inhibitory activity with GI ₅₀ of 3.0 μ M, through splicing alterations in genes involved in growth and survival.
Pathway	: Cell Cycle/DNA Damage
Target	: CLK
Receptor	: CLK
Solubility	: —
SMILES	: <chem>O=C(C1=CC=C(C(C)C)N=C1)NC2=CN3C(C=CC(C4=CN=C4)=C3)=N2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Araki S, et al. PLoS One. 2015 Jan 12;10(1):e0116929. | 2. Shi Y, et al. Bioorg Med Chem Lett. 2017 Feb 1;27(3):406-412.