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Data Sheet

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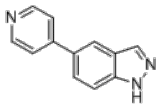
Product Name	:	TG693
Cat. No.	:	PC-61023
CAS No.	:	885272-55-9
Molecular Formula	:	$C_{12}H_9N_3$
Molecular Weight	:	195.225
Target	:	Cdc2-like Kinase (CLK)
Solubility	:	10 mM in DMSO



Biological Activity

TG693 is an orally available, selective, ATP-competitive **CLK1** inhibitor with IC50 of 112.6 nM.
TG693 also potently inhibits haspin activity and weakly inhibits DYRK kinases in a panel of 313 recombinant kinases.
TG693 promotes the skipping of the endogenous mutated exon 31 in DMD patient-derived cells and increases the production of the functional exon 31-skipped dystrophin protein.
TG693 inhibits the phosphorylation of CLK1 substrate serine/arginine-rich proteins and modulates pre-mRNA splicing in the skeletal muscle in mice.

References

Sako Y, et al. ***Sci Rep***. 2017 May 30;7:46126.

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