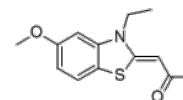


Product Name : TG003
Cat. No. : PC-72778
CAS No. : 719277-26-6
Molecular Formula : C₁₃H₁₅NO₂S
Molecular Weight : 249.329
Target : Cdc2-like Kinase (CLK)
Solubility : 10 mM in DMSO



Biological Activity

TG003 (TG-003) is a potent, specific, reversible, and ATP-competitive inhibitor of **Cdc2-like kinase (CLK)** with IC₅₀ of 20, 200 and 15 nM for mClk1, 2 and 4 respectively, and >10 uM for mClk3.

TG003 inhibited SF2/ASF-dependent splicing of beta-globin pre-mRNA in vitro by suppression of Clk-mediated phosphorylation.

TG003 also suppressed serine/arginine-rich protein phosphorylation, dissociation of nuclear speckles, and Clk1/Sty-dependent alternative splicing in mammalian cells.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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