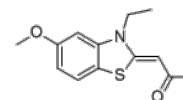


**Product Name** : TG003  
**Cat. No.** : PC-72778  
**CAS No.** : 719277-26-6  
**Molecular Formula** : C<sub>13</sub>H<sub>15</sub>NO<sub>2</sub>S  
**Molecular Weight** : 249.329  
**Target** : Cdc2-like Kinase (CLK)  
**Solubility** :



## Biological Activity

TG003 (TG-003) is a potent, specific, reversible, and ATP-competitive inhibitor of Cdc2-like kinase (CLK) with IC<sub>50</sub> 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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