

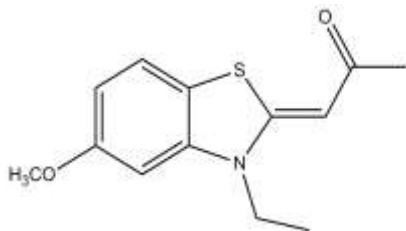
TG003

ALTERNATE NAME: (Z)-1-(3-Ethyl-5-methoxy-2,3-dihydrobenzothiazol-2-ylidene)propan-2-one

CATALOG #: 1905-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₁₅NO₂S

MOLECULAR WEIGHT: 249.33

CAS NUMBER: 300801-52-9

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A potent, specific, reversible, and ATP-competitive inhibitor of Cdc2-like kinase (Clk) (K_i = 10 nM for mClk1/Sty; IC₅₀ = 20 nM, 200 nM, >10 μM, and 15 nM for mClk1, mClk2, mClk3, and mClk4, respectively). Recently, it has been shown that TG003 promotes the skipping of exon 31 in the endogenous *dystrophin* gene in a dose-dependent manner and increases the production of the dystrophin protein.

REFERENCE: Nishida, A., *et al.* (2011). *Nat. Commun.* **2**, 308.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Alsterpaullone (**Cat. No. 1897-1,5**)

Butyrolactone I (**Cat. No. 1690-200**)

Kenpaullone (**Cat. No. 1904-1**)