

## NG 52

**Catalog No: tcsc1187**



### Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



### Specifications

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**CAS No:**

212779-48-1

**Formula:**

$C_{16}H_{19}ClN_6O$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

CDK

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Compound 52

**Observed Molecular Weight:**

346.81

## Product Description

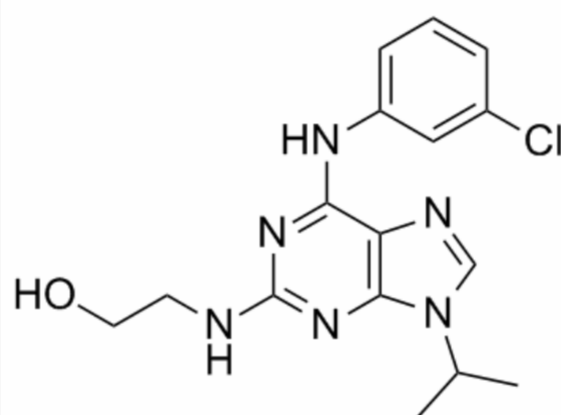
NG 52 (Compound 52 ) is a potent, cell-permeable, reversible, selective, and ATP-compatible inhibitor of the cell cycle-regulating kinase, Cdc28p (IC<sub>50</sub> = 7 μM), and the related Pho85p kinase (IC<sub>50</sub> = 2 μM).

IC<sub>50</sub> value: 7 μM [1]

Target: Cdc28p

Compound 52 inhibited growth in a drug-sensitized yeast strain

with a GI<sub>50</sub> of 30 μM. In contrast, the closely related compound 52Me proved to be a significantly weaker inhibitor of yeast growth (GI<sub>50</sub>=200 μM).



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!