

NG52, Phosphoglycerate kinase 1 inhibitor

Catalog	Unit
TBI4681-5MG	5 mg
TBI4681-25MG	25 mg

Product Details

Formal Name: 2-[[6-(3-Chloroanilino)-9-propan-2-ylpurin-2-yl]amino]ethanol; 2-(2-Hydroxyethylamino)-6-(3-chloroanilino)-9-isopropylpurine

Molecular Formula: C₁₆H₁₉ClN₆O

Formula Weight: 346.82

CAS Number: 212779-48-1

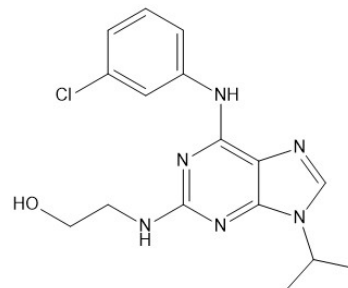
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Phosphoglycerate kinase 1 inhibitor

Functions

Inhibitor of Cdc2-cyclin B (IC₅₀ = 340 nM) as well as Cdc28p (IC₅₀ = 7 μM) and Pho85p (IC₅₀ = 2 μM). It inhibited phosphoglycerate kinase 1 (IC₅₀ = 2.5 μM) and inhibited the proliferation of glioma U87 and U251 cell lines via reversal of the Warburg effect. NG52 inhibited the proliferation, increased apoptosis, and reduced the migration and invasive ability of OVCAR3 and ES-2 ovarian cancer cell lines via suppression of glycolytic capability.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.