

Roscovitine, p34/cdc2 inhibitor

| Catalog | Unit |
|--------------|------|
| TBI1332-2MG | 2mg |
| TBI1332-10MG | 10mg |

Product Details

Formal Name: (R)-2-((6-(Benzylamino)-9-isopropyl-9H-purin-2-yl)amino)butan-1-ol

Molecular Formula: C₁₉H₂₆N₆O

Formula Weight: 354.46

CAS Number: 186692-46-6

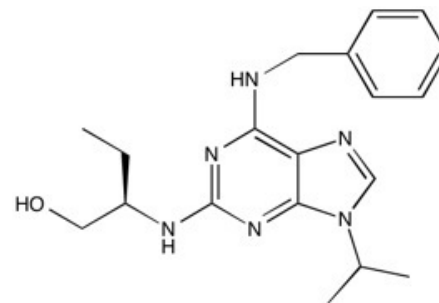
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml, with warming) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

p34/cdc2 inhibitor

Functions

Potent and selective inhibitor of cyclin-dependent kinases displaying higher potency and selectivity compared to olomoucine. p34 cdc2 IC₅₀ = 0.2 μM. Also inhibits p33cdk2 and p33cdk5. Anti-angiogenic. Prevents PPAR_γ S273 phosphorylation, promoting browning of white adipose tissue. Enhances peripheral nerve regrowth.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml, with warming) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 3 months.

For research use only.