

CR8 3HCl (R), CDK inhibitor

Catalog	Unit
TBI5507-5MG	5 mg
TBI5507-25MG	25 mg

Product Details

Formal Name: (R)-2-((9-Isopropyl-6-((4-(pyridin-2-yl)benzyl)amino)-9H-purin-2-yl)amino)butan-1-ol

Molecular Formula: C₂₄H₂₉N₇O • 3HCl

Formula Weight: 540.90

CAS Number: 294646-77-8

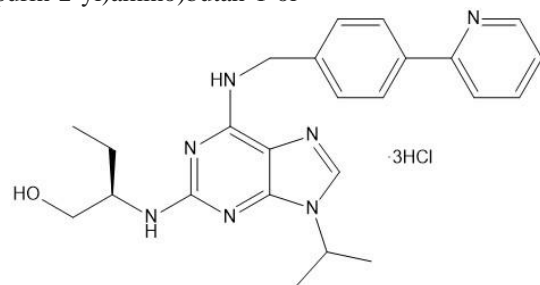
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (30 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

CDK inhibitor

Functions

Second generation analog of roscovitine which inhibits cyclin-dependent kinases with increased potency, Cdk1/cyclin B, Cdk2/cyclin A, Cdk2/cyclin E, Cdk5, p25, and Cdk9/cyclin T, IC₅₀s=0.09, 0.072, 0.041, 0.11 and 0.18 μM respectively. Acts as a molecular glue degrader that depletes cyclin K. CR8 displays neuroprotective effects in various models including traumatic brain injury.

Application Procedures

First dissolved in DMSO (30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.