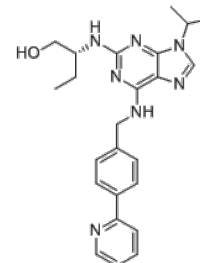


Product Name : (R)-CR8
Cat. No. : PC-38299
CAS No. : 294646-77-8
Molecular Formula : C₂₄H₂₉N₇O
Molecular Weight : 431.544
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

(R)-CR8 (CR8) is a potent **CDK1/2/5/7/9** inhibitor, inhibits CDK1/cyclin B (IC₅₀, 90 nM), CDK2/cyclin A (72 nM), CDK2/cyclin E (41 nM), CDK5/p25 (110 nM), CDK7/cyclin H (1.1 μM), CDK9/cyclin T (0.18 μM) and CK1δ/ε (0.4 μM).

(R)-CR8 induces apoptosis and has neuroprotective effect.

CR8 binds CDK12-cyclin K and recruits the DDB1-CUL4-RBX1 E3 ligase core to ubiquitinate cyclin K

(R)-CR8 also acts as a molecular glue degrader that depletes cyclin K.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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