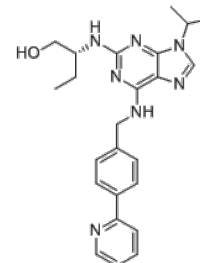


**Product Name** : (R)-CR8  
**Cat. No.** : PC-38299  
**CAS No.** : 294646-77-8  
**Molecular Formula** : C<sub>24</sub>H<sub>29</sub>N<sub>7</sub>O  
**Molecular Weight** : 431.544  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

(R)-CR8 (CR8) is a potent **CDK1/2/5/7/9** inhibitor, inhibits CDK1/cyclin B (IC<sub>50</sub>, 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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