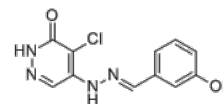


Product Name : L82-G17
Cat. No. : PC-38570
CAS No. : 92285-87-5
Molecular Formula : C₁₁H₉ClN₄O₂
Molecular Weight : 264.67
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

L82-G17 is a selective, uncompetitive inhibitor of **DNA ligase I**, inhibits the third step of the ligation reaction, phosphodiester bond formation.

L82-G17 did not inhibit LigIV.

L82-G17 exhibited increased activity against and selectivity for LigI compared with L82.

Cells lacking nuclear LigIII α , which can substitute for LigI in DNA replication, were also more sensitive to L82-G17 than isogenic parental cells.

References

Timothy R L Howes, et al. **DNA Repair (Amst)**. 2017 Dec;60:29-39.

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

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