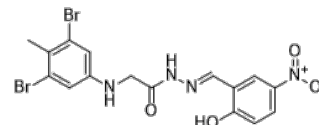


Product Name : DNA ligase inhibitor L67
Cat. No. : PC-22343
CAS No. : 325970-71-6
Molecular Formula : C₁₆H₁₄Br₂N₄O₄
Molecular Weight : 486.12
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

DNA ligase inhibitor L67 is a competitive DNA ligase inhibitor, effectively inhibits DNA ligases I/III with IC₅₀ of 10 μM for both.

L67 treatment causes nuclear DNA damage by reducing levels of mitochondrial DNA and increasing levels of mitochondrially-generated ROS.

L67 also activates the Caspase 1-dependent apoptosis pathway in cancer cells.

References

Sallmyr A, et al. Cancer Res. 2016 Sep 15;76(18):5431-41.

Chen X, et al. Cancer Res. 2008 May 1;68(9):3169-77.

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

E-mail: tech@probechem.com