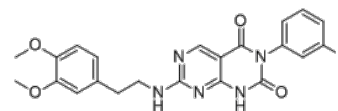


Product Name : STL127705
Cat. No. : PC-60419
CAS No. : 1326852-06-5
Molecular Formula : C₂₂H₂₀FN₅O₄
Molecular Weight : 437.431
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

STL127705 (Ku70/80 inhibitor) is a novel small molecule inhibitor of the **DNA repair protein Ku70/80**, disrupts of Ku70/80-DNA interaction with IC₅₀ of 3.5 μM in EMSA assay.

STL127705 impairs DNA-PKCS autophosphorylation at the Ser2056 residue, inhibits the Ku-dependent activation of the DNA-PKCS kinase in human cells.

STL127705 synergistically sensitizes human cell lines to radiation treatment, indicating a clear potential to diminish DSB repair.

References

Weterings E, et al. *DNA Repair (Amst)*. 2016 Jul;43:98-106.

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

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