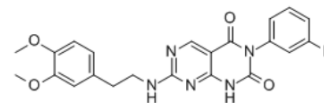


## STL127705

Cat. No.:	HY-122727
CAS No.:	1326852-06-5
Molecular Formula:	C <sub>22</sub> H <sub>20</sub> FN <sub>5</sub> O <sub>4</sub>
Molecular Weight:	437.42
Target:	DNA-PK
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	STL127705 (Compound L) is a <b>Ku 70/80 heterodimer protein</b> inhibitor, inhibits Ku70/80-DNA interaction, with an IC <sub>50</sub> of 3.5 μM. STL127705 also inhibits Ku-dependent activation of DNA-PKCS kinase (IC <sub>50</sub> , 2.5 μM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 3.5 μM (Ku 70/80), 2.5 μM (DNA-PKCS) <sup>[1]</sup>

### REFERENCES

[1]. Weterings E, et al. A novel small molecule inhibitor of the DNA repair protein Ku70/80. DNA Repair (Amst). 2016 Jul;43:98-106.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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