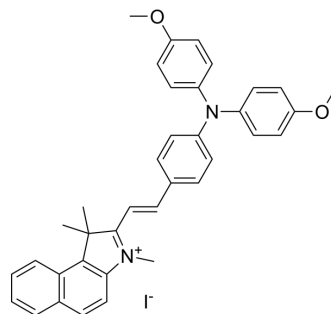


## G-quadruplex ligand 2

<b>Cat. No.:</b>	HY-158126
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>35</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	666.59
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

G-quadruplex ligand 2 (compound A3) is a triphenylamine-based ligand that targets mitochondrial DNA G4s. G-quadruplex ligand 2 activates the cGAS-STING pathway. G-quadruplex ligand 2 inhibits tumor growth and metastasis via regulation of TME<sup>[1]</sup>.

### REFERENCES

[1]. Xiao-Dong Wang, et al. Discovery of a triphenylamine-based ligand that targets mitochondrial DNA G-quadruplexes and activates the cGAS-STING immunomodulatory pathway. *Eur J Med Chem.* 2024.

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

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