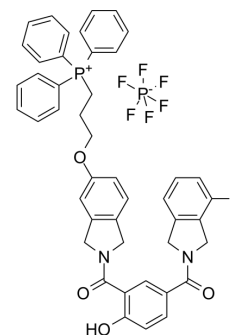


## TRAP1-IN-1

<b>Cat. No.:</b>	HY-155063
<b>CAS No.:</b>	3031102-94-7
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>39</sub> F <sub>7</sub> N <sub>2</sub> O <sub>4</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	866.74
<b>Target:</b>	HSP; Mitochondrial Metabolism
<b>Pathway:</b>	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	TRAP1-IN-1 (compound 35) is a potent and selective inhibitor of TRAP1—a mitochondrial isoform of Hsp90. TRAP1-IN-1 has >250-fold TRAP1 selectivity over Grp94 and disrupts TRAP1 tetramer stability, induces TRAP1 client protein degradation. TRAP1-IN-1 also inhibits mitochondrial complex I of oxidative phosphorylation (OXPHOS), disrupts the mitochondrial membrane potential, and enhances glycolysis metabolism <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	TRAP1, OXPPOS <sup>[1]</sup>

### REFERENCES

[1]. Merfeld T, et al. Elucidation of novel TRAP1-Selective inhibitors that regulate mitochondrial processes. Eur J Med Chem. 2023 Oct 5;258:115531.

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

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