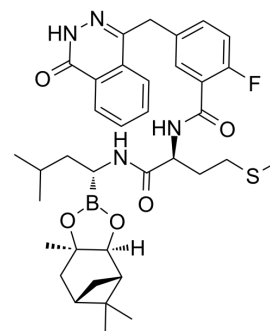


## PARP-1/Proteasome-IN-1

Cat. No.:	HY-157212
Molecular Formula:	C <sub>36</sub> H <sub>46</sub> BFN <sub>4</sub> O <sub>5</sub> S
Molecular Weight:	676.65
Target:	Apoptosis; PARP; Proteasome
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Epigenetics; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PARP-1/Proteasome-IN-1 (compound 42i) is a dual PARP-1 and proteasome inhibitor with significant inhibitory effects on breast cancer. PARP-1/Proteasome-IN-1 can downregulate the expression of BRCA1 and RAD51 to inhibit homologous recombination repair function and induce apoptosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	PARP-1, Proteasome <sup>[1]</sup>

### REFERENCES

[1]. He H et al. Design and synthesis of the first PARP-1 and proteasome dual inhibitors to treat breast cancer[J]. European Journal of Medicinal Chemistry, 2023: 115943.

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

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