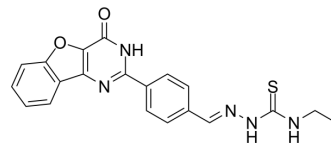


PARP-1-IN-13

Cat. No.:	HY-155122
CAS No.:	2999661-74-2
Molecular Formula:	C ₂₀ H ₁₇ N ₅ O ₂ S
Molecular Weight:	391.45
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PARP-1-IN-13 (Compound 19c) is a PARP-1 inhibitor (IC ₅₀ : 26 nM). PARP-1-IN-13 inhibits DNA single-strand breakage repair and aggravates DNA double-strand breakage. PARP-1-IN-13 promotes the apoptosis of cancer cells through the mitochondrial apoptosis pathway ^[1] .
IC ₅₀ & Target	26 nM (PARP-1) ^[1]

REFERENCES

[1]. Yuanjiang Wang, et al. Design, synthesis, and biological evaluation of a series of benzofuran[3,2-d]pyrimidine-4(3H)-one derivatives containing thiosemicarbazone analogs as novel PARP-1 inhibitors. *Bioorganic Chemistry*. Volume 139, October 2023, 106759.

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

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