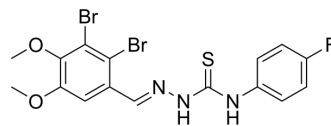


4F-DDC

Cat. No.:	HY-163461
Molecular Formula:	C ₁₆ H ₁₄ Br ₂ FN ₃ O ₂ S
Molecular Weight:	491.17
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

4F-DDC is a novel PARP1 inhibitor with an IC₅₀ value of 82 nM. 4F-DDC induces DNA damage and activates the cGAS-STING pathway. 4F-DDC inhibits the growth of HCC-1937-derived tumor xenografts^[1].

REFERENCES

[1]. Yonglong Jin, et al. A Novel Inhibitor of Poly(ADP- Ribose) Polymerase-1 Inhibits Proliferation of a BRCA-Deficient Breast Cancer Cell Line via the DNA Damage-Activated cGAS-STING Pathway. *Chem Res Toxicol.* 2024, 37, 4.

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

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