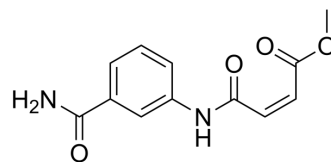


ARTD10/PARP10-IN-1

Cat. No.:	HY-148709
CAS No.:	1708103-76-7
Molecular Formula:	C ₁₂ H ₁₂ N ₂ O ₄
Molecular Weight:	248.23
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 ARTD10/PARP10-IN-1 (compound 23) is a potent and non-selective PARP inhibitor, targeting to mono-ADP-ribosyltransferases ARTD7/PARP15, ARTD8/PARP14, ARTD10/PARP10 and poly(ADP-ribose) polymerase-1 (ARTD1/PARP1) with IC₅₀s of 1.7 μM, 1.6 μM, 0.8 μM, and 4.4 μM, respectively^[1].

IC ₅₀ & Target	ARTD1/PARP1	ARTD10/PARP10	ARTD8/PARP14	ARTD7/PARP15
	4.4 μM (IC ₅₀)	0.8 μM (IC ₅₀)	1.6 μM (IC ₅₀)	1.7 μM (IC ₅₀)

REFERENCES

[1]. Ekblad T, et al. Towards small molecule inhibitors of mono-ADP-ribosyltransferases. Eur J Med Chem. 2015 May 5;95:546-51.

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

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