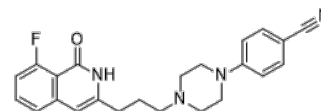


Product Name : Lotixparib
Cat. No. : PC-25071
CAS No. : 2640677-63-8
Molecular Formula : C₂₃H₂₃FN₄O
Molecular Weight : 390.46
Target : PARP
Solubility : 10 mM in DMSO



CAS: 2640677-63-8

Biological Activity

Lotixparib (DM5167) is a potent, selective **PARP1** inhibitor with IC₅₀ of 0.41 nM, displays >300-fold preference for PARP1 over PARP2 in in vitro enzymatic and DNA capture assays.

DM5167 shows higher selectivity than AZD5305 in the enzymatic assay.

DM5167 efficiently reduces growth of triple-negative breast cancers.

DM5167 achieved a 45.8% tumor growth inhibition at a dose of 50 mg/kg in orthotopic xenograft model using triple-negative breast cancer cell lines.

References

- Patent WO2021086077 A1.
- Kim JW, et al. *Pharm Res*. 2025 Oct 22. doi: 10.1007/s11095-025-03939-8.
- Sujin Nam, et al. *Cancer Res* (2023) 83 (7_Supplement): 509.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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