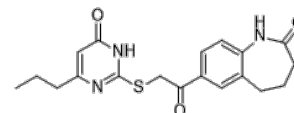


Product Name : S07-2010
Cat. No. : PC-24205
CAS No. :
Molecular Formula : C₁₉H₂₁N₃O₃S
Molecular Weight : 371.46
Target : Aldose Reductase
Solubility : 10 mM in DMSO



Biological Activity

S07-2010 is a potent, pan aldo-keto reductase 1C3 (AKR1C3) inhibitor with IC₅₀ of 0.19, 0.36, 0.47, and 0.73 μM for AKR1C3, AKR1C4, AKR1C1 and AKR1C2, respectively.

S07-2010 exhibits obvious cytotoxicity on MCF-7/DOX and A549/DDP, with IC₅₀ = 127.5 and 5.51 μM, respectively.

S07-2010 reverses the resistance of the cancer cells to DDP and inhibited tumor proliferation at low concentrations in A549/DDP cells.

S07-2010 combined with chemotherapeutic agents promotes apoptosis of cancer cells.

References

He S, et al. ACS Med Chem Lett. 2022 Jul 8;13(8):1286-1294.

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

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