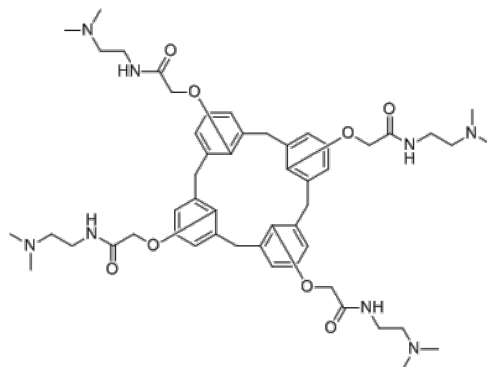


Product Name : OTX008
Cat. No. : PC-61646
CAS No. : 286936-40-1
Molecular Formula : C₅₂H₇₂N₈O₈
Molecular Weight : 937.18
Target : Galectin
Solubility : 10 mM in DMSO



Biological Activity

OTX008 (Calixarene 0118, PTX-008) is a calixarene derivative designed to bind the **Galectin-1** (Gal1) amphipathic β -sheet conformation.

OTX008 inhibits Gal1 expression and ERK1/2 and AKT-dependent survival pathways, and induces G2/M cell cycle arrest through CDK1.

OTX008 inhibits proliferation and invasion at micromolar concentrations in cancer cells.

OTX008 inhibits growth of A2780-1A9 xenografts in vivo.

References

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Astorgues-Xerri L, et al. *Eur J Cancer.* 2014 Sep;50(14):2463-77.

Dings RP, et al. *Cancer Lett.* 2008 Jul 8;265(2):270-80.

Zucchetti M, et al. *Cancer Chemother Pharmacol.* 2013 Oct;72(4):879-87.

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

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