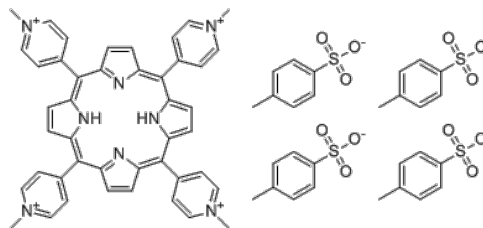


Product Name : TMPyP4 tosylate
Cat. No. : PC-62154
CAS No. : 36951-72-1
Molecular Formula : C₇₂H₆₆N₈O₁₂S₄
Molecular Weight : 1363.6
Target : Telomerase
Solubility : 10 mM in H₂O (13.6 mg/mL)



Biological Activity

TMPyP4 tosylate (TMP1363) is a potent inhibitor of human **telomerase** with IC₅₀ of 6.5 μM.

TMPyP4 tosylate (TMP1363) binds strongly to DNA quadruplexes by stacking on the G-tetrads at the core of the quadruplex, resulting in telomerase inhibition.

TMPyP4 tosylate (TMP1363) treatment causes reduction in telomere length, and decline of myeloma cell growth.

References

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Shi DF, et al. *J Med Chem.* 2001 Dec 20;44(26):4509-23.

Shammas MA, et al. *Mol Cancer Ther.* 2003 Sep;2(9):825-33.

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

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