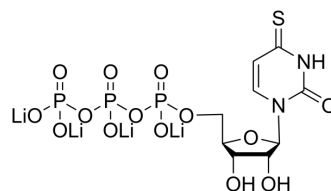


4-Thiouridine 5'-triphosphate tetralithium

Cat. No.:	HY-154840
CAS No.:	20188-72-1
Molecular Formula:	C ₉ H ₁₁ Li ₄ N ₂ O ₁₄ P ₃ S
Molecular Weight:	523.94
Target:	P2Y Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4-Thiouridine 5'-triphosphate (4-Thio-UTP) tetralithium is a potent P2Y ₂ and P2Y ₄ receptor agonist, with EC ₅₀ s of 35 and 350 nM for hP2Y ₂ and hP2Y ₄ , respectively. 4-Thiouridine 5'-triphosphate tetralithium can be used in the study of crosslinking experiments, labeling of transcriptional complex ^{[1][2]} .	
IC₅₀ & Target	P2Y2 Receptor 35 nM (EC50)	P2Y4 Receptor 350 nM (EC50)

REFERENCES

- [1]. Jacobson KA, et, al. Structure activity and molecular modeling analyses of ribose- and base-modified uridine 5'-triphosphate analogues at the human P2Y₂ and P2Y₄ receptors. *Biochem Pharmacol.* 2006 Feb 14;71(4):540-9.
- [2]. Bartholomew B, et, al. RNA contacts subunits Ilo and Iic in HeLa RNA polymerase II transcription complexes. *J Biol Chem.* 1986 Oct 25;261(30):14226-31.

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

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