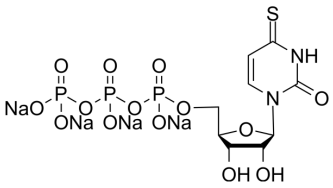
4-Thiouridine 5′-triphosphate tetrasodium

Cat. No.:	HY-154840A
CAS No.:	68507-49-3
Molecular Formula:	$C_9H_{11}N_2Na_4O_{14}P_3S$
Molecular Weight:	588.13
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) tetrasodium 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 tetrasodium can be used in the study of crosslinking experiments, labeling of transcriptional complex[1][2].	
IC_{50} & 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 IIo and IIc in HeLa RNA polymerase II transcription complexes. J Biol Chem. 1986 Oct 25;261(30):14226-31.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA