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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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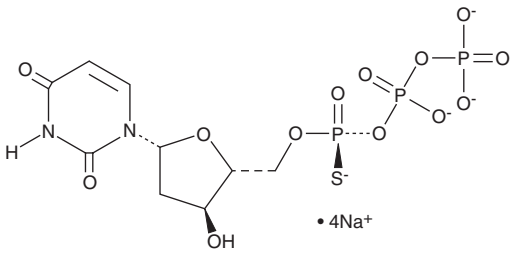
PRODUCT INFORMATION

Rp-2'-Deoxyuridine-5'-O-(1-thiotriphosphate) (sodium salt)

Item No. 38671

Formal Name: 2′-deoxy-uridine 5′→P′′-ester with [P′′(R)]-thiotriphosphoric acid ((HO)2P(O)OP(O)(OH)OP(O)(OH)(SH)), tetrasodium salt
Synonym: Rp-dUTP-α-S
MF: $C_9H_{11}N_2O_{13}P_3S$ • 4Na
FW: 572.1
Purity: ≥95%
Supplied as: A solution in water
Storage: -80°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Rp-2'-Deoxyuridine-5'-O-(1-thiotriphosphate) (Rp-dUTP-α-S) is an isomer of the sulfur-containing nucleotide dUTP-α-S and an agonist of the purinergic $P2Y_2$ receptor.[1] It selectively induces inositol phosphate accumulation in 1321N1 astrocytoma cells expressing $P2Y_2$ receptors (EC_{50} = 12.5 µM) over $P2Y_4$-expressing 1321N1 cells at 10 µM.

Reference

1. Jacobson, K.A., Costanzi, S., Ivanov, A.A., *et al*. Structure activity and molecular modeling analyses of ribose- and base-modified uridine 5'-triphosphate analogues at the human $P2Y_2$ and $P2Y_4$ receptors. *Biochem. Pharmacol.* **71(4)**, 540-549 (2006).

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