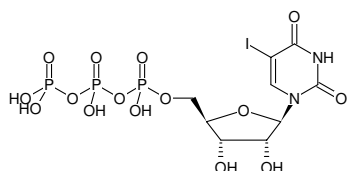


**5-Iodo-UTP**

(5I-UTP)

5-Iodo-uridine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-119S	10 µl (100 mM)
NU-119L	5 x 10 µl (100 mM)



Structural formula of 5-Iodo-UTP

**For general laboratory use.****Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 12 months after date of delivery**Molecular Formula:** C<sub>9</sub>H<sub>14</sub>N<sub>2</sub>O<sub>15</sub>P<sub>3</sub>I (free acid)**Molecular Weight:** 610.04 g/mol (free acid)**Exact Mass:** 609.87 g/mol (free acid)**CAS#:** 34198-43-1 (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 100 mM - 110 mM**pH:** 7.5 ±0.5**Spectroscopic Properties:** λ<sub>max</sub> 287 nm, ε 7.7 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)**Selected References:**

Labesse *et al.* (2011) Structural and functional characterization of the Mycobacterium tuberculosis uridine monophosphate kinase: insights into the allosteric regulation. *Nucleic Acids Res.* **39** (8):3458.

Gilles *et al.* (2007) Regulatory Mechanisms Differ in UMP Kinases from Gram-negative and Gram-positive Bacteria. *J. Biol. Chem.* **282** (10):7242.