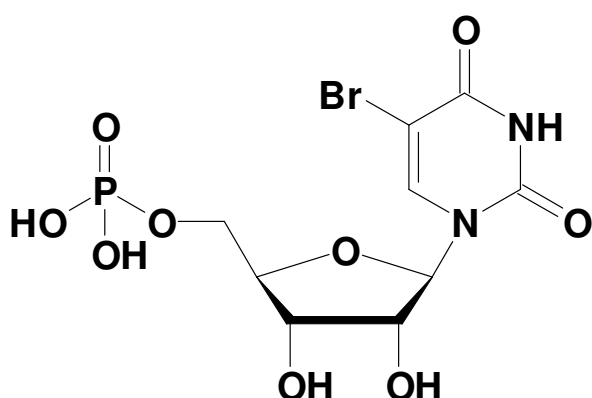


5Br-UMP

5-Bromo-uridine-5'-monophosphate, Sodium salt

Cat. No.	Amount
NU-135S	100 Units
NU-135L	500 Units



Cat. No.: NU-135

Molecular Formula: $C_9H_{12}BrN_2O_9P$ (free acid)

Molecular Weight: 403.08 (free acid)

Purity: > 95%, clear aqueous solution, pH 7.5

Spectroscopic properties: λ_{max} 278 nm; ϵ 9700

Storage conditions:

Short term exposure (up to 1 week cumulative) to ambient temperature possible. Long term storage at $< -20^\circ\text{C}$. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

For research use only!

1 unit = 1 μl of a 10 mM solution

Selected References:

Gilles *et al.* (2007) Regulatory Mechanisms Differ in UMP Kinases from Gram-negative and Gram-positive Bacteria. *The Journal of biological chemistry* **282** (10):7242.

Kwon *et al.* (1999) Bipartite modular structure of intrinsic, RNA hairpin-independent termination signal for phage RNA polymerases. *J. Biol. Chem.* **274** (41):29149.

Tourneux *et al.* (1998) Substitution of an alanine residue for glycine 146 in TMP kinase from *Escherichia coli* is responsible for bacterial hypersensitivity to bromodeoxyuridine. *J. Bacteriol.* **180** (16):4291.

Labesse *et al.* (2010) Structural and functional characterization of the *Mycobacterium tuberculosis* uridine monophosphate kinase: insights into the allosteric regulation. *Nucleic Acids Res.*