Uridine-3’-monophosphate (sodium salt)
Item No. 16774

CAS Registry No.: 35170-03-7
Formal Name: 3’-uridylic acid, disodium salt
Synonyms: 3’-UMP, 3’-Uridylic Acid
MF: C9H11N2O9P • 2Na
FW: 368.1
Purity: ≥98%
Stability: ≥2 years at -20°C.
Supplied as: A crystalline solid
UV/Vis.: λmax 262 nm

Labmatory Procedures
For long term storage, we suggest that uridine-3’-monophosphate (3’-UMP) be stored as supplied at -20°C. It should be stable for at least two years.

3’-UMP (sodium salt) is supplied as a crystalline solid. Aqueous solutions of 3’-UMP (sodium salt) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 3’-UMP (sodium salt) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

3’-UMP is a nucleoside used in the biochemical synthesis of ribothymidine-3’-phosphate.1 It has been used as a bioavailable source of uridine in research studies designed to enhance learning and memory.2,3

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/16774