PRODUCT INFORMATION

Histone H1-derived Peptide (trifluoroacetate salt)

Item No. 27439

Formal Name: glycylglycylglycyl-L-prolyl-L-alanyl-L-threonyl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-leucine, trifluoroacetate salt

Synonym: GGGPATPKKAKKL

MF: $C_{56}H_{101}N_{17}O_{15} \bullet XCF_3COOH$

FW: 1,252.5

Purity: ≥95%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years

H—Gly—Gly—Gly—Pro—Ala—Thr—Pro—Lys—Lys—Ala—Lys—Lys—Leu—OH • XCF_3COOH

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

Laboratory Procedures

Histone H1-derived peptide (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the histone H1-derived peptide (trifluoroacetate salt) in water. The solubility of histone H1-derived peptide (trifluoroacetate salt) in water is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Histone H1-derived peptide is a substrate for the *Leishmania* complex between Cdc2-related kinase 3 (CRK3) and cyclin CYC6 (CRK3/CYC6).[1] It is phosphorylated by CRK3/CYC6 and has been used in high-throughput screening assays for the identification of CRK3/CYC6 inhibitors.

Reference

1. Walker, R.G., Thomson, G., Malone, K., *et al*. High throughput screens yield small molecule inhibitors of Leishmania CRK3:CYC6 cyclin-dependent kinase. *PLoS Negl. Trop. Dis.* **5(4)**, e1033 (2011).

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