

Product Data Sheet

Product Name: Histone H3 (1-25), amide acetate

Cat. No.: GC81875

Chemical Properties

Cas. No.

Formula $C_{110}H_{202}N_{42}O_{32} \cdot xC_2H_4O_2$ M.Wt 2625.04

Solubility DMSO: 5 mg/mL (Need ultrasonic) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Histone H3 (1-25), amide acetate is a synthetic N-terminal tail peptide derived from histone H3, which can be used to identify substrates of histone methyltransferases (HMTs). Histone H3 (1-25), amide acetate can serve as a parent backbone for the preparation of various modified peptides [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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In Vitro, Histone H3 (1-25), amide acetate is site-specifically labeled with a 5-FAM fluorophore at the C-terminus for fluorescence polarization interaction assays^[1].

References:

[1]. Brandon CJ, et al. BRD4 recruitment into HP1 condensates desilences transcription without erasure of repressive chromatin. Nature cell biology. 2026 Sep;28(9):1846-1856.

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