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Data Sheet

Biotinylated Histone H3, Dimethyl Lys9 peptide substrate

Catalog # 50351

DESCRIPTION: Histone H3 Peptide, biotin conjugate, dimethylated on lysine 9. The peptide corresponds to residues 1-21 of histone H3.

PURITY: ≥95% by HPLC

APPLICATIONS: Suitable as a substrate for histone demethylases belonging to the Jumonji (JMJ) family. It can be used to study enzyme kinetics, and to screen small molecular inhibitors of these demethylases for drug discovery and HTS applications.

MOLECULAR WEIGHT: 2751.2

SEQUENCE: ARTKQTAR-K(Me₂)-STGGKAPRKQLA-GGK(Biotin)

SUPPLIED AS: aqueous solution

QUANTITY: 500 µl @ 40 µM

STORAGE: -20°C -70°C

REFERENCE(S):

1. Grewal, S., *et al.*, *Curr Opin Cell Biol.* 2004;**16**:230.
2. Rice, J., *et al.*, *Mol Cell.* 2003;**12**: 1591.

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