FLUOR DE LYS®-HDAC8 deacetylase substrate

A fluorogenic, diacetylated peptide substrate for HDAC8 (histone deacetylase-8).

FLUOR DE LYS®-HDAC8 is a fluorogenic, diacetylated peptide substrate for HDAC8 (histone deacetylase-8). Based on residues 379-382 of p53 (Arg-His-Lys(Ac)-Lys(Ac)), a site of regulatory acetylation by the p300 and CBP acetyltransferases (lysines 381, 382), it was the best for HDAC8 from among a panel of substrates patterned on p53, histone H3 and histone H4 acetylation sites. FLUOR DE LYS®-HDAC8 is deacetylated by HDAC8 at a rate of more than 10-fold that of the acetylated lysine substrate, FLUOR DE LYS® (BML-KI104; substrates both at 100 µM). Although named because of HDAC8's preference for it, it is also an excellent substrate for SIRT1 (BMl-SE239; 5x the rate of BML-KI104 at 25 µM, 0.5 mM NAD^+), SIRT2 and HeLa Nuclear Extract (BML-KI140; 3x KI-104 rate, 25 µM). Must be used in conjunction with FLUOR DE LYS® Developer II (BML-KI176). Sufficient for 100-200 assays of human recombinant HDAC8 (BML-SE145; 1 U/well, 50-100 µM substrate).

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BML-KI178-0005	0.5µmol

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Formulation	Supplied as a 5 mM solution (100 µl) in HDAC Assay Buffer.
Purity	≥95%

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