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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

Fluorogenic HDAC Substrate 3

Catalog #: 50037
Lot#: 110124

DESCRIPTION: a fluorogenic, acetylated peptide substrate for HDACs. It is a suitable substrate for many HDACs tested so far except class 2a HDAC.

PURITY: >95% by HPLC.

APPLICATIONS: Study enzyme kinetics, and screen small molecule inhibitors for drug discovery and HTS applications.

SUPPLIED AS: DMSO solution

QUANTITY: 50 µl @ 5 mM

STORAGE: -20°C or -70°C.

REFERENCES:

1. A. Ito *et al.* (2001) *EMBO J.* **20** 1331.
2. N.A. Barlev *et al.* (2001) *Mol. Cell* **8** 1243.
3. A. Ito *et al.* (2002) *EMBO J.* **21** 6236.

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Assay Protocol:

Material: Assay buffer (BPS #50031); Assay developer (BPS #50030); HDAC Substrate (BPS #50037)

Step 1: Add all reaction mixture to a low binding NUNC black plate (VWR catalog number 62408-936)

2 μ l of HDAC1 (0.33 μ g/ μ l)
38 μ l of HDAC assay buffer (BPS #50031)
5 μ l of 1 mg/ml BSA
5 μ l of 200 μ M substrate (BPS #50037)

Incubate at 37 °C for 30 min.

Step 2: Stop the reaction

Add 50 μ l of HDAC assay developer (2x) (BPS #50030) and incubate the plate at room temperature for 15 min.

Step 3: Read sample in a microtiter-plate reading fluorimeter capable of excitation at a wavelength in the range 350-380 nm and detection of emitted light in the range 440-460 nm.

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