FLUOR DE LYS®-Succinyl, Desuccinylase Substrate

The FLUOR DE LYS®-*Succinyl*, Desuccinylase Substrate offers a highly sensitive and convenient alternative to radiolabeled, succinylated histones or peptide/HPLC methods for the assay of desuccinylases such as SIRT5. The assay procedure has two steps. First, the FLUOR DE LYS®- *Succinyl*, Desuccinylase Substrate, which comprises a succinylated lysine side chain, is incubated with a sample containing desuccinylase activity (HeLa nuclear or other extract, purified enzyme, bead-bound immunocomplex, etc.). Desuccinylation of the substrate sensitizes the substrate so that, in the second step, treatment with the FLUOR DE LYS® Developer (Prod. No. BML-KI105) produces a free AMC fluorophore which can be monitored with standard fluorometers (Ex. 350-380nm / Em. 450-480nm).

Citations: 1 View Online »

Ordering Information Order Online »

BML-KI590-0050	50µl

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for 1 year when stored at -80°C.
Short Term Storage	-20°C
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Liquid.
Application Notes	Can be used for the study of desuccinylase kinetics, regulation, and inhibitor sensitivity. Ideal for drug discovery and HTS applications.
Couple Target	HDAC
Couple Type	Substrate
Emission Maximum	450-480nm
Excitation Maximum	350-380nm
Formulation	Solution in DMSO.
Purity	≥95% (HPLC)
Source	Synthetic.
Technical Info / Product Notes	**NOTE:** Must be used in conjunction with FLUOR DE LYS® Developer (Prod. No. BML-KI105). For assay conditions, see the product manual for BML-AK513 SIRT5 Fluorimetric Drug Discovery Kit.

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