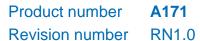
Product Data Sheet





Product Name N-Me-Abz-Peptide-Calibrator

Application Calibrator for fluorescent N-Me-Abz-substrates. Applicable for quantification of fluorescence

release, derived from quencher cleavage by transglutaminases in isopeptidase assays.

Spectral properties $\lambda_{ex, max} = 360 \text{ nm}, \lambda_{em} = 460 \text{ nm}$

Molecular Formula Not disclosed

Molecular Weight 589 Da

Purity by HPLC >95 % (214 nm)

Solubility 250 nM in 1% (v/v) DMSO / aqueous buffers.

Pre-dissolve the complete 10 mg (adjust to the weight given on the vial) in 340 µL DMSO to

obtain a 50 mM stock solution.

DMSO stock solutions are sterile and can be stored at -20°C for at least 6 months.

To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.

Stepwise dilution: Take e.g. 10 μ L of the 50 mM stock solution and dilute by adding 40 μ L DMSO to obtain a 10 mM DMSO solution. Take e.g. 5 μ L of the 10 mM DMSO solution and dilute by adding 1,995 μ L DMSO to obtain a 25 μ M DMSO solution. Finally, take e.g. 10 μ L of the 25 μ M DMSO solution and dilute by adding 990 μ L dilution buffer to obtain your final assay

concentration (250 nM).

Please adjust your calibration to your desired range by measurement of a serial dilution.

According to internal assays a nanomolar range is feasible.

Appearance Off-white solid

Storage Store at -20°C, desiccate, protect from light

Related products F016 ZediXcite 360/460 Fluorogenic TG2-Assay Kit

Reference(s) None yet

Release date 06 June 2023

NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR

DIAGNOSTIC APPLICATIONS.