

Product number **A171**
Revision number **RN1.0**

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	$\lambda_{\text{ex, max}} = 360 \text{ nm}$, $\lambda_{\text{em}} = 460 \text{ nm}$
Molecular Formula	Not disclosed
Molecular Weight	589 Da
Purity by HPLC	>95 % (214 nm)
Solubility	<p>250 nM in 1% (v/v) DMSO / aqueous buffers.</p> <p>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.</p> <p>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.</p> <p>Stepwise dilution: Take e.g. 10 μL of the 50 mM stock solution and dilute by adding 40 μL DMSO to obtain a 10 mM DMSO solution. Take e.g. 5 μL of the 10 mM DMSO solution and dilute by adding 1,995 μL DMSO to obtain a 25 μM DMSO solution. Finally, take e.g. 10 μL of the 25 μM DMSO solution and dilute by adding 990 μL dilution buffer to obtain your final assay concentration (250 nM).</p> <p>Please adjust your calibration to your desired range by measurement of a serial dilution. According to internal assays a nanomolar range is feasible.</p>
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.