

Product number **A168**
Revision number **RN2.0**

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| Product Name | Abz-Peptide-Calibrator |
| Application | Calibrator for fluorescent Abz-substrates. Applicable for quantification of fluorescence release, derived from quencher cleavage by transglutaminases in isopeptidase assays. |
| Spectral properties | $\lambda_{\text{ex, max}} = 313\text{-}330 \text{ nm}$, $\lambda_{\text{em}} = 418 \text{ nm}$ |
| Molecular Formula | Not disclosed |
| Molecular Weight | 575 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 348 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 | F001 ZediXcite Fluorogenic FXIII-Assay Kit F014 ZediXcite Fluorogenic TG2-Assay Kit F015 ZediXcite Fluorogenic MTG-Assay Kit |
| Reference(s) | None yet |
| Release date | 17 February 2023 |
| NOTE | INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS. |