# MMP substrate (chromogenic)

## Sensitive chromogenic MMP substrate

Chromogenic substrate for continuous spectrophotometric assay of most matrix metalloproteinases, and TACE (ADAM17). The MMP cleavage site peptide bond is replaced by a thioester bond in this peptide. Hydrolysis of this bond by an MMP produces a sulfhydryl group, which reacts with DTNB [5,5'-dithiobis(2-nitrobenzoic acid), Ellman's Reagent] to form 2-nitro-5-thiobenzoic acid, which can be detected by its absorbance at 412 nm.

**Citations:** 8 View Online »

## Ordering Information

Order Online »

| | |
|---|---|
| **BML-P125-0005** | 5mg |

## Manuals, SDS & CofA

View Online »

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Handling** | After reconstitution, store at -20°C or -70°C. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | Matrix metalloproteinase substrate, Ac-Pro-Leu-Gly-[2-mercapto-4-methyl-pentanoyl]-Leu-Gly-OC2H5 |
| **Application Notes** | Can be used for assay with human collagen cells. |
| **Formulation** | Lyophilized. |
| **MW** | 655.9 |
| **Purity** | ≥97% (HPLC) |
| **Sequence** | Ac-Pro-Leu-Gly-[2-mercapto-4-methyl-pentanoyl]-Leu-Gly-$OC_2H_5$ |
| **Solubility** | Soluble in DMF (100mM) or DMSO (100mM). |

**Last modified: May 29, 2024**

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.