# Ac-IEPD-pNA

## Caspase substrate

Colorimetric granzyme B substrate. Combinatorial and kinetic studies have found the IEPD sequence to be optimal for cleavage of a tetrapeptide substrate by recombinant granzyme B, with a $K_m$ for Ac-IEPD-pNA of 57 µM. Cleavage of the substrate by granzyme B releases pNA, which can be detected by its absorbance at 405 nm.

**Citations:** 4 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **BML-P133-0005** | 5mg |

## Manuals, SDS & CofA View Online »

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Stock solution in DMSO (e.g. 0.1M) is highly stable at -20°C or -70°C. |
| **Handling** | Keep cool and dry. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | Caspase-8 substrate (chromogenic), Granzyme B substrate (chromogenic) |
| **Appearance** | Lyophilized solid. |
| **Formula** | $C_{28}H_{38}N_6O_{11}$ |
| **MW** | 634.7 |
| **Purity** | ≥95% |
| **Sequence** | N-acetyl-Ile-Glu-Pro-Asp-pNA (*p*-nitroanilide) |
| **Solubility** | Soluble to at least 100mM in DMSO. |

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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

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