

# Pefachrome<sup>®</sup>Try (Pefa-5400)

**Application:** Highly sensitive chromogenic peptide substrate for trypsin. Determination of trypsin activity for research, in-process and quality control.

**Formula:** Bz-Val-Gly-Arg-pNA·AcOH

**Principle:** Bz-Val-Gly-Arg-pNA + trypsin ==> Bz-Val-Gly-Arg-OH + pNA + trypsin

**MW:** 614.7

**K<sub>M</sub>:** 0.181 mM

**V<sub>max</sub>:** 43.3 μmol/min

**Storage:** May be used by the expiry date given on the label when stored unopened, protected from moisture, in the dark, 2-8°C. Avoid contamination of the reagents by micro-organisms.  
Shipment of product does not require cooling during the time of transportation.

**Material required but not provided:**

Buffer, reference material

**Buffer:** 50 mM Tris-imidazole buffer pH 7.9, 150 mM NaCl

**Assay:** Suggested protocol for the determination of trypsin activity:

1.790 ml buffer  
0.010 ml Trypsin (Merck, 0.1 mg/ml in 0.001 N HCl, 20 mM CaCl<sub>2</sub>)  
0.200 ml Pefachrome<sup>®</sup>Try (4 mM in water)  
=> Determination of ΔOD/min at 405 nm

**Package size:** Vial containing 10 μmol  
Bulk [g]

**Code:** 084-20  
084-04

FOR RESEARCH USE ONLY. NOT FOR HUMAN USE OR DRUG USE.

