

— PLASMA KALLIKREIN CHROMOGENIC SUBSTRATE · PKA QC · 5-DIAGNOSTICS

# Measure plasma kallikrein — *from contact to QC.*

A highly purified synthetic peptide substrate for **plasma kallikrein**. On cleavage it releases **para-nitroaniline (pNA)**, read at 405 nm in direct proportion to enzyme activity. The peptide is the established **Chromogenix S-2302** sequence — a drop-in equivalent — supplied lyophilized with mannitol, from a single vial to a manufacturing pack. Part of the **5-CHROM™ series**, available worldwide from 5-Diagnostics through Aniara.

CHROMOGENIC SUBSTRATE · 5-DIAGNOSTICS

## Kallikrein Substrate

pNA at 405 nm · S-2302 equivalent

- Releases **para-nitroaniline (pNA)** on cleavage by plasma kallikrein — absorbance at 405 nm is proportional to activity.
- Peptide sequence **H-D-Pro-Phe-Arg-pNA** — the S-2302 substrate, no protocol redesign.
- 5-CHROM-02 (A5D-30801)** — supplied worldwide through Aniara, a dependable second source.
- Lyophilized with mannitol — single-vial (1×25 mg) to bulk (12×25 mg).

S-2302 equivalent · RUO

25 mg

SAME PEPTIDE, DROP-IN

Identical sequence and **pNA-at-405 nm** readout as the legacy Chromogenix S-2302 — drop into existing protocols with no redesign.

Supplied **worldwide** through Aniara from 5-Diagnostics — a dependable second source for routine and production-scale use.

Single 25 mg vials for development; 12-vial packs for routine and production scale.

— ONE SUBSTRATE, THREE BENCHES

### Academic research

Contact-activation and **kallikrein-kinin** system research.

### Quality control

**Prekallikrein-activator (PKA)** testing in albumin & IVIG; C1-inhibitor QC.

### Pharma research

**Kallikrein-inhibitor** drug development (HAE: lanadelumab, ecallantide, berotralstat).

## Defined enzymology, on request

Peptide sequence, MW,  $K_m$ ,  $k_{cat}$  and molarity per vial are available for assay development and validation. The user establishes and validates assay conditions and protease specificity.

**Regulatory & availability:** Kallikrein Substrate is a synthetic, highly purified **research-grade reagent** — for research and pharmaceutical quality-control applications, not for use in diagnostic procedures. The thrombin (anti-IIa) and Factor Xa (anti-Xa) substrates support heparin-potency QC under the European & US Pharmacopoeia. Manufactured by 5-Diagnostics and distributed worldwide by Aniara Diagnostica. “Chromogenix” and S-series designations are referenced for cross-identification only and remain the marks of their respective owner. Single-vial and bulk formats; pricing on request. Therapeutic agents named are referenced as analytes / scientific context and are not Aniara products. © 2026 Aniara Diagnostica, Inc.