

— PLATELET GPVI AGONIST · SNAKE-VENOM C-TYPE LECTIN · PROTEINS & ENZYMES

Activate platelets through GPVI — *and only GPVI.*

Convulxin is a C-type lectin from the venom of *Crotalus durissus terrificus* that activates human platelets by **binding and clustering the collagen receptor GPVI** — under physiological conditions, without engaging integrins or other receptors. That selectivity makes it the **reference agonist** for GPVI / ITAM signaling research, and the tool reagent for characterizing the GPVI-directed antiplatelet drugs (glenzocimab-, revacept-class) now in clinical development.

PLATELET GPVI AGONIST · 5-DIAGNOSTICS

5-ENZYME Convulxin

Crotalus durissus terrificus · C-type lectin

- Activates human platelets by **binding and clustering GPVI** under physiological conditions.
- **GPVI-selective** — drives the collagen-receptor ITAM / PLCy2 pathway specifically, without integrin engagement.
- The reference agonist for **platelet GPVI and receptor-signaling** research.
- Tool reagent to screen and validate **GPVI-directed antiplatelet drugs** (glenzocimab-, revacept-class).
- **84 kDa** heterodimeric C-type lectin (14 & 16 kDa on reduction).

5D-67111 · -20 °C · RUO

50 µg

WHY CONVULXIN FOR GPVI

Collagen and CRP can engage more than one platelet receptor. Convulxin clusters **GPVI specifically**, giving a clean, potent readout of the GPVI / ITAM pathway.

GPVI is a leading **low-bleeding-risk antithrombotic target** — so a selective agonist is essential to screen antagonists and confirm target engagement.

Potent at low concentrations; a 50 µg vial supports many aggregation, flow-cytometry and signaling experiments.

WHERE IT IS USED

Platelet GPVI signaling

Light-transmission aggregometry

Flow-cytometry activation

GPVI antagonist screening

Antiplatelet drug R&D

ITAM / PLCy2 pathway studies

Thrombus-formation research

Platelet-receptor characterization

COMPLETE THE 5-DIAGNOSTICS ENZYME BENCH

5-ENZYME Thrombin

Bovine — thrombin platelet agonist & clotting enzyme (Ref. 5D-60237).

5-ENZYME Factor Xa

Bovine — purified FXa for coagulation work (Ref. 5D-60217).

5-PROTEIN Antithrombin

Human — purified antithrombin (Ref. 5D-60104).

Regulatory: 5-ENZYME Convulxin (5D-67111) is a research-grade reagent — **For Research Use Only, not for use in diagnostic or therapeutic procedures.** It is a C-type lectin purified from *Crotalus durissus terrificus* venom that activates platelets via GPVI; 84 kDa non-reduced (14 and 16 kDa on reduction). Supplied as a 50 µg vial; store at -18 to -22 °C. **Handle as a biologically active venom-derived protein** following appropriate safety practice. The user establishes and validates assay conditions. GPVI-directed drugs named are investigational agents referenced as scientific context and are not Aniara products. Manufactured by 5-Diagnostics and distributed by Aniara Diagnostica. Pricing on request. © 2026 Aniara Diagnostica, Inc.