

The World's First Tunable Collagenase Platform

A Molecular Revolution in Peptide Engineering



DT-101 Collagenase turns collagen hydrolysis into a titration-based control system, a world first.

A single enzyme, **DT-101**, becomes a patented molecular dial:

- turn it once, and collagen becomes nutrition;
- turn it further, and collagen becomes medicine.



Peptide precision, Not peptide chance...

%DT-101 vs %CTP Release



*Results were obtained by hydrolysis of an industrial-scale 30 Brix gelatin at pH 8.0 and 40 °C for 3 hours, using 0.1%, 0.5%, and 1.0% DT-101 collagenase.

The Science of Control

DT-101 Collagenase enables precise, gentle hydrolysis, delivering clean taste, clarity, and controlled peptide release without harsh processing. A smarter enzyme for consistent quality, high functionality, and bioactive collagen redefined by biotechnology.



+25% Di-Tripeptides

- Biofunctional nutrition.
- Mild hydrolysis for taste and clarity.
- Avg. 2000 Dalton molecular weight



+50% Di-Tripeptides

- Active peptide products.
- Feed the body. Feed the cell.
- Avg. 1000 Dalton molecular weight



+75% Di-Tripeptides

- Therapeutic-grade liberation.
- Molecular precision for regeneration
- Avg. 500 Dalton molecular weight



Request a sample
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