



LKT Laboratories, Inc.

## Urodilatin CCC

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### Product Information

**Product ID** U6857

**CAS No.** 115966-23-9

**Chemical Name**

**Synonym** Ularitide, Atriopeptin, Anp, Anf, ANP (95-129), A-type natriuretic peptide, Atrial natriuretic peptide

**Formula** C<sub>145</sub>H<sub>234</sub>N<sub>52</sub>O<sub>44</sub>S<sub>3</sub>

**Formula Wt.** 3506.0

**Melting Point**

**Purity** ≥98%

**Solubility** Soluble in water, DMSO, DMF.

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Urodilatin is a natriuretic and diuretic peptide fragment of atrial natriuretic peptide (ANP). Urodilatin regulates Na<sup>+</sup> and water transport across renal proximal tubules through inhibition of the Na<sup>+</sup>/K<sup>+</sup> ATPase. Urodilatin increases renal dopamine uptake and also increases cGMP/PKG activity.

H-Thr-Ala-Pro-Arg-Ser-Leu-Arg-Arg-Ser-Ser-Cys-Phe-Gly-Gly-Arg-Met-Asp-Arg-Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-Cys-Asn-Ser-Phe-Arg-Tyr-OH  
(Disulfide bridge Cys11-Cys27)

**Bulk quantities available upon request**

Product ID	Size
U6857	1 mg

**References** Choi MR, Citarella MR, Lee BM, et al. Urodilatin regulates renal dopamine metabolism. J Nephrol. 2013 Nov-Dec;26(6):1042-8. PMID: 23661592.

Vives D, Farage S, Motta R, et al. Atrial natriuretic peptides and urodilatin modulate proximal tubule Na<sup>(+)</sup>-ATPase activity through activation of the NPR-A/cGMP/PKG pathway. Peptides. 2010 May;31(5):903-8. PMID: 20206222.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.