

Product Data Sheet

Product Name: Type IV collagen peptide acetate

Cat. No.: GC79128

Chemical Properties

Cas. No.

Formula $C_{54}H_{92}N_{16}O_{17}S_2 \cdot xC_2H_4O_2$ M.Wt 1301.54

Solubility H_2O : ≥ 50 mg/mL Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Type IV collagen peptide acetate is a cell-binding ligand peptide derived from type IV collagen. (The sequence is TAGSCLRKFSTM) [1].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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In Vitro, Type IV collagen peptide acetate modulates growth and nitric oxide production in human aortic endothelial cells when presented as a ligand on gelled RAD16-I peptides^[1].

References:

[1]. Jung JP, et al. Fibrillar peptide gels in biotechnology and biomedicine. Biopolymers. 2010;94(1):49-59.

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