

Product Data Sheet

Product Name: Acetyl Tetrapeptide-3

Cat. No.: GC42701

Chemical Properties

Cas. No. 827306-88-7

SMILES O=C(N[C@@H](CC1=CN=CN1)C(N[C@@H](CCCCN)C(N)=O)=O)CNC([C@H](CCCCN)NC(C)=O)=O

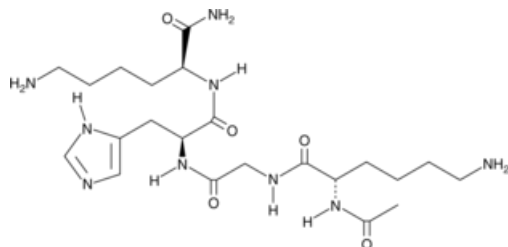
Formula C₂₂H₃₉N₉O₅ M.Wt 509.6

Solubility DMF: 14 mg/ml, DMSO: 10 mg/ml, Ethanol: 10 mg/ml, PBS (pH 7.2): 10 mg/ml, Water: 10 mg/ml
Storage Store at -20°C

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Acetyl tetrapeptide-3 is a biomimetic peptide. It increases protein levels of type III collagen and total laminins in MRC5 human fibroblasts when used at a concentration of 1 µM. Acetyl tetrapeptide-3 reverses corticoid-induced decreases in collagen VII expression at the dermal-epidermal junction in human skin explants.

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

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