

Product Data Sheet

Product Name: BMP2-derived peptide

Cat. No.: GC72299

Chemical Properties

Cas. No. 836606-84-9

Formula $C_{97}H_{165}N_{23}O_{29}$

M.Wt 2117.48

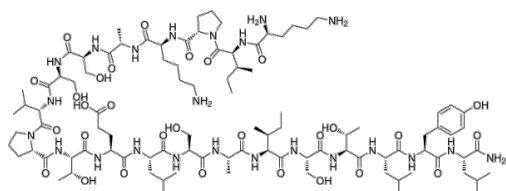
Solubility DMSO : 100 mg/mL (47.23 mM;
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage Store at -20°C, Sealed storage, away
from moisture and light

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

BMP2-derived peptide is a functional motif from positions 73 to 92 of the amino acid sequence of BMP-2. BMP2-derived peptide promotes osteogenic differentiation of bone marrow stromal cells (BMSCs) and enhances bone regeneration.

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

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References:

[1]. Liu Q, et al. Advances in the application of bone morphogenetic proteins and their derived peptides in bone defect repair. Composites Part B: Engineering, 2023, 262: 110805.

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