

Product Data Sheet

Product Name: FGF7p
Cat. No.: GC81324

Chemical Properties

Cas. No. 2758194-43-1

Formula $C_{95}H_{138}N_{26}O_{28}S$ M.Wt 2124.33

Solubility DMSO: 25 mg/mL (11.77 mM; Need ultrasonic) 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

Tyr-Ala-Ser-Ala-Lys-Trp-Thr-His-Asn-
Gly-Gly-Glu-Met-Phe-Val-Ala-Leu-Asn-
Gln

Background

FGF7p is a small molecule peptide and a potential bladder protector. FGF7p can activate downstream signaling pathways of FGFR2 in the urinary tract epithelium (pFRS2 α , pAKT and pERK). FGF7p alleviates cyclophosphamide induced apoptosis and tissue damage in urinary tract epithelial cells by activating AKT and its downstream anti apoptotic targets (pBAD, pS6/mTORC1).

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

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FGF7p is commonly used in the study of inflammatory conditions [1].

References:

[1]. Narla ST, et al. FGF7 peptide (FGF7p) mimetic mitigates bladder urothelial injury from cyclophosphamide. *Physiol Rep.* 2022 Apr;10(7):e15241.

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