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 (pFRS2α, 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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