

Product Data Sheet

Product Name: Rusalatide acetate

Cat. No.: GC34935

Chemical Properties

Cas. No. 875455-82-6

Formula $C_{99}H_{151}N_{29}O_{37}S$ M.Wt 2371.5

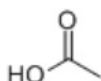
Solubility Soluble in Water Storage $-20^{\circ}C$, protect from light

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

AGYKPDEGKR GDACEGDSGG PFV-NH₂



Background

Rusalatide acetate (TP508 amide acetate), a regenerative peptide, mitigates radiation-induced gastrointestinal damage by activating stem cells and preserving crypt integrity[1].

Rusalatide (TP508) is a 23 amino acid peptide representing amino acids 508-530 of human prothrombin that was identified as the high-affinity binding domain of thrombin responsible for interaction with a subset of thrombin receptors on the surface of fibroblasts thought to initiate tissue repair[1].

[1]. Kantara C, et al. Novel regenerative peptide TP508 mitigates radiation-induced gastrointestinal

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

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