

Data Sheet

Product Name: Rusalatide acetate
Cat. No.: CS-0024872
CAS No.: 875455-82-6
Molecular Formula: C99H151N29O37S
Molecular Weight: 2371.50
Target: Others
Pathway: Others
Solubility: H2O

AGYKPDEGKR GDACEGDSGG PFV-NH₂



BIOLOGICAL ACTIVITY:

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

References:

[1]. Kantara C, et al. Novel regenerative peptide TP508 mitigates radiation-induced gastrointestinal damage by activating stem cells and preserving crypt integrity. Lab Invest. 2015 Nov;95(11):1222-33.

CAIndexNames:

L-Valinamide, L-alanylglycyl-L-tyrosyl-L-lysyl-L-prolyl-L-α-aspartyl-L-α-glutamylglycyl-L-lysyl-L-arginylglycyl-L-α-aspartyl-L-alanyl-L-cysteinyl-L-α-glutamylglycyl-L-α-aspartyl-L-serylglycylglycyl-L-prolyl-L-phenylalanyl-, acetate (3:2)

SMILES:

OC(C)=O.[AGYKPDEGKR GDACEGDSGG PFV-NH2]

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

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