

Duramycin

Cat. No.: HY-106302
CAS No.: 1391-36-2
Batch No.: 274750
Chemical Name: L-Lysine, L-cysteinyl-L-lysyl-L-glutaminy-D-cysteinyl-L-cysteinyl-3-aminoalanyl-L-phenylalanyl glycy-L-prolyl-L-phenylalanyl-(2S,3S)-2-amino-3-mercaptobutanoyl-L-phenylalanyl-L-valyl-L-cysteiny-(3R)-3-hydroxy-L- α -aspartylglycyl-L-asparaginy-(2S,3S)-2-amino-3-mercaptobutanoyl-, cyclic (6 \rightarrow 19)-imine, cyclic (1 \rightarrow 18),(4 \rightarrow 14),(5 \rightarrow 11)-tris(thioether)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{89}H_{125}N_{23}O_{25}S_3$
Molecular Weight: 2013.28
Storage: Powder -20°C 3 years
In solvent -80°C 6 months
-20°C 1 month

Chemical Structure:

CKGDCAFGPF (Alu)-FVCDGK (Alu)-K-NH₂ (Disulfide bridge: Cys₁-Alu₁, Cys₂-Cys₁₈, Cys₂-Alu₁)

ANALYTICAL DATA

Appearance: White to off-white (Solid)
Purity (HPLC): 99.46%
Conclusion: The product has been tested and complies with the given specifications.

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

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