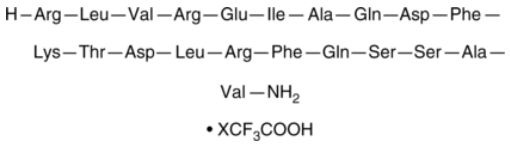
Product Data Sheet

Product Name: Histone H3 (69-89) amide (human, mouse, rat, bovine) (trifluoroacetate salt)
Cat. No.: GC47432

Chemical Properties

Cas. No.	N/A		
SMILES	O=C(O)C(F)(F)F.NC([C@H](C(C)C)NC([C@@H](NC([C@H](CO)NC([C@H](CO)NC([C@H](CCC(N)=O)NC([C@@H](NC([C@H](CCCNC(N)=N)NC([C@H](CC(C)C)NC([C@@H](NC([C@@]([C@@H](C)O)([H])NC([C@H](CCCCN)NC([C@@H](NC([C@@H](NC([C@H](CCC(N)=O)NC([C@@H](NC([C@@]([C@H](CC)C)([H])NC([C@H](CCC(O)=O)NC([C@H](CCCNC(N)=N)NC([C@H](C(C)C)NC([C@H](CC(C)C)NC([C@H](CCCNC(N)=N)N[H])=O)=O)=O)=O)=O)=O)C)=O)=O)CC(O)=O)=O)CC1=CC=CC=C1)=O)=O)=O)CC(O)=O)=O)=O)=O)CC2=CC=CC=C2)=O)=O)=O)=O)C)=O)=O		
Formula	C109H180N34O32.XCF3COOH	M.Wt	2478.8
Solubility	Water: 1 mg/ml	Storage	Store at -20°C
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



Background

Histone H3 (69-89) amide is a peptide fragment of histone H3 that corresponds to amino acid residues 70-90 of the human histone H3.1 and H3.2 sequences. Histone H3 (69-89) amide contains a lysine residue at position 79 that is subject to methylation and acetylation and has a role in regulation of gene expression.[1,2]

1.Garcia, B.A., Hake, S.B., Diaz, R.L., et al.Organismal differences in post-translational modifications in histones H3 and H4J. Biol. Chem.282(10)7641-7655(2007) 2.Barski, A., Cuddapah, S., Cui, K., et al.High-resolution profiling of histone methylations in the human genomeCell129(4)823-837(2007)

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