Product Data Sheet

Product Name: Beta-Lipotropin (1-10), porcine
Cat. No.: GP10051

Chemical Properties

Cas. No.	77875-68-4		
SMILES	N[C@@H](CCC(O)=O)C(N[C@@H](CC(C)C)C(N[C@@H](C)C(NCC(N[C@@H](C)C(N1[C@@H](CCC1)C(N2[C@@H](CCC2)C(N[C@@H](CCC(O)=O)C(N3[C@@H](CCC3)C(N[C@@H](C)C(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O		
Formula	$C_{42}H_{66}N_{10}O_{15}$	M.Wt	951.03
Solubility	≥ 95.1mg/mL in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Beta-Lipotropin (1-10), porcine		

Background

Morphine-like substances exist in brain or the pituitary of various species. Beta-lipotropin (beta-LPH) was found to contain within its C-terminal sequence the primary structure of these peptides.

Identity between the sequence of isolated fragments and thecarboxy terminal portion of the corresponding beta-lipotropins hasalso been observed in human and in porcine pituitary and hypothalamic-neurohypophysis extracts.

References:
1. Bradbury, A.F., Smyth, D.G. and Snell, C.R. (1976), Biochem. Biophys. Res. Commun. 6!J, 950-956.
2. Ling, N., Burgus, R. and Guillemin, R. (1976). Proc. Natl. Acad. Sci. USA., 73, 3942-3946.

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