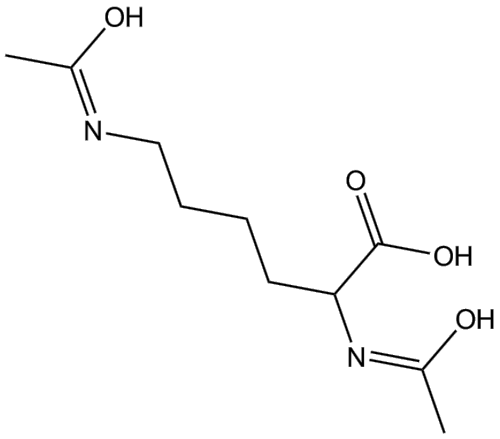
Product Data Sheet

Product Name: Ac-DL-Lys(Ac)-OH
Cat. No.: GA20508

Chemical Properties

Cas. No.	35436-74-9		
Formula	$C_{10}H_{18}N_2O_4$	M.Wt	230.26
Solubility	Soluble in DMSO	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

Ac-DL-Lys(Ac)-OH is a diacetyl derivative of lysine and can be used as a building block to synthesize inositol conjugates, which are applied in cancer-targeted therapy [1]. Ac-DL-Lys(Ac)-OH can form a complex with D-alanine-D-alanine and is used as a model molecule to develop surface stress sensors for detecting active free drugs[2].

References:

[1] Jaiswal M, Zhu S, Jiang W, et al. Synthesis and evaluation of N α, N ε-diacetyl-l-lysine-inositol conjugates as cancer-selective probes for metabolic engineering of GPIs and GPI-anchored proteins[J]. Organic & biomolecular chemistry, 2020, 18(15): 2938-2948.

Caution: Product has not been fully validated for medical applications. For research use only.
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[2] Ndieyira J W, Kappeler N, Logan S, et al. Surface-stress sensors for rapid and ultrasensitive detection of active free drugs in human serum[J]. Nature nanotechnology, 2014, 9(3): 225-232.

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