

Product Data Sheet

Product Name: Nonapeptide-1 acetate salt

Cat. No.: GC36756

Chemical Properties

Cas. No.

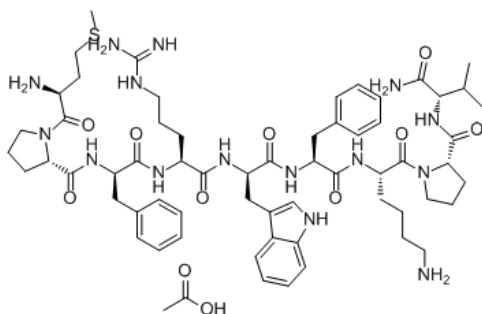
Formula $C_{63}H_{91}N_{15}O_{11}S$ M.Wt 1266.56

Solubility Water: 50 mg/mL (39.48 mM) 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

Nonapeptide-1 acetate salt, a peptide hormone, is a potent α -Melanocyte-stimulating hormone (α -MSH) antagonist, with an IC_{50} of 11 nM. Reduces synthesis of melanin and helps decrease skin pigmentation to a substantial degree[1]. IC_{50} : 11 nM (α -MSH)[1].

[1]. Jayawickreme CK, et al. Discovery and structure-function analysis of alpha-melanocyte-stimulating hormone antagonists. J Biol Chem. 1994 Nov 25;269(47):29846-54.

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

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