
Product Data Sheet

Product Name: N-Acetyloxytocin

Cat. No.: GC63093

Chemical Properties

Cas. No. 10551-48-1

Formula C₄₅H₆₈N₁₂O₁₃S₂

M.Wt 1049.22

Solubility DMSO : ≥ 50 mg/mL (47.65 mM)

Storage

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**

N-Acetyloxytocin is isolated and characterized in the neurointermediate lobe of the rat pituitary (NIL) and their presence in several brain areas of the rat[1].

Nα-acetylation is a post-translational modification of vasopressin (VP), and oxytocin (OT). The acetylated forms are not restricted to the pineal gland, the tissue in which Nα-acetyl-OT is initially identified, but also occur in other systems producing OT and VP[1].

[1]. Liu B, et al. N-acetyl-vasopressin- and N-acetyl-oxytocin-like substances: isolation and characterization in the rat neurointermediate pituitary and presence in the brain. J Neuroendocrinol. 1989;1(1):47-52.

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

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