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**Product Data Sheet**

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Product Name: (Val<sup>3</sup>,Pro<sup>?</sup>)-Oxytocin

Cat. No.: GA24054

**Chemical Properties**

Cas. No. 2134138-89-7

Formula M.Wt 977.12

Solubility Storage &lt; -15°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**

The I3V/L8P variant of oxytocin binding to the OT and AVP V1 receptors is produced by the Saguinus genus of the Callitrichidae family of New World monkeys. When interacting with V1, (Pro8)-OT and oxytocin yielded similar signaling profiles, being equally efficacious on Gq and  $\beta$ -arrestin, while (Val3,Pro8)-OT showed reduced relative efficacy toward  $\beta$ -arrestin. Intranasal application of both OT L8P and OT I3V/L8P enhanced parental behavior in rats.

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

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