

Product Data Sheet

Product Name: Taltirelin acetate

Cat. No.: GC37732

Chemical Properties

Cas. No. 1549593-23-8

SMILES O=C(N(CCC1)[C@@H]1C(N)=O)[C@@H](NC([C@@H](NC2=O)CC(N2C)=O)=O)CC3=CN=CN3.CC(O)=O

Formula $C_{19}H_{27}N_7O_7$ M.Wt 465.46

Solubility DMSO: 125 mg/mL (268.55 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.

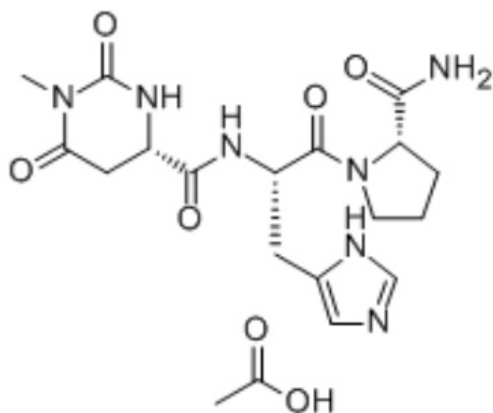
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Taltirelin acetate (TA-0910 acetate) is a superagonist at thyrotropin-releasing hormone receptor (TRH-R) with an IC₅₀ of 910 nM and EC₅₀ of 36 nM for stimulating an increase in cytosolic Ca²⁺ concentration (Ca²⁺ release)[1]. IC₅₀: 910 nM (Thyrotropin-releasing hormone receptor)[1]

[1]. Thirunarayanan N, et al. Taltirelin is a superagonist at the human thyrotropin-releasing hormone receptor. *Front Endocrinol (Lausanne)*. 2012 Oct 9;3:120.

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