
Product Data Sheet

Product Name: β -Endorphin, equine (TFA)

Cat. No.: GC38030

Chemical Properties

Cas. No.

Formula $C_{156}H_{249}F_3N_{42}O_{46}S$

M.Wt

3537.96

Solubility Soluble in DMSO

Storage

Store at $-80^{\circ}C$

General tips

For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

β -Endorphin, equine (TFA) is an endogenous opioid peptide, which binds at high affinity to both μ/δ opioid receptors[1][2]. Analgesic properties[2].

[1]. Yahav Dikshtein, et al. β -Endorphin via the Delta Opioid Receptor is a Major Factor in the Incubation of Cocaine Craving. *Neuropsychopharmacology*. 2013 Nov; 38(12): 2508-2514. [2]. Niinistö KE, et al. Plasma levels of heat shock protein 72 (HSP72) and beta-endorphin as indicators of stress, pain and prognosis in horses with colic. *Vet J*. 2010 Apr;184(1):100-4.

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