

Product Data Sheet

Product Name: Modimelanotide acetate

Cat. No.: GC79299

Chemical Properties

Cas. No.

Formula $C_{113}H_{181}N_{33}O_{25}S \cdot xC_2H_4O_2$ M.Wt 2433.92

Solubility H_2O : ≥ 100 mg/mL Storage Sealed storage, away from moisture

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

Ac-Lys-Lys-Lys-Lys-Lys-Lys-Ser-Tyr-
Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-
Pro-Val-NH₂ (acetate salt)

Background

Modimelanotide (ABT-719) acetate is an α -melanocyte-stimulating hormone analog. Modimelanotide acetate has high specific binding ability to melanocortin receptors (MCR1, 3, 4, 5). Modimelanotide acetate possesses anti-inflammatory and organ-protective effects. Modimelanotide acetate can be

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

used in the research of diseases such as acute kidney injury [1] [2].

References:

[1]. Ruiz J. Transferable Mechanisms of Quinolone Resistance from 1998 Onward. Clin Microbiol Rev. 2019 Aug 14;32(4):e00007-19.

[2]. McCullough PA, et al. ABT-719 for the Prevention of Acute Kidney Injury in Patients Undergoing High-Risk Cardiac Surgery: A Randomized Phase 2b Clinical Trial. J Am Heart Assoc. 2016 Aug 20;5(8):e003549.

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