Product Data Sheet

Product Name: Biphalin acetate
Cat. No.: GC79311

Chemical Properties

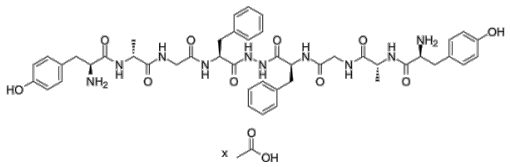
Cas. No.

Formula	$C_{46}H_{56}N_{10}O_{10}{\cdot}xC_2H_4O_2$	M.Wt	909
Solubility		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



Background

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

Biphalin acetate, a BBB-penetrable opioid peptide analog, contains two active enkephalin pharmacophores.Biphalin acetate has high affinity for opioid receptors. Biphalin acetate shows analgesic effect in acute, neuropathic, and chronic animal pain models. Biphalin acetate is also an antiviral, antiproliferative, anti-inflammatory, and neuroprotective agent [1] [2].

References:

[1]. T J Abbruscato, et al. Blood-to-central nervous system entry and stability of biphalin, a unique double-enkephalin analog, and its halogenated derivatives. J Pharmacol Exp Ther. 1996, 276,3.
[2]. Redkiewicz P, et al. Biphalin-A Potent Opioid Agonist-As a Panacea for Opioid System-Dependent Pathophysiological Diseases? Int J Mol Sci. 2021 Oct 21;22(21):11347.

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