

Product Data Sheet

Product Name: H-Arg-Phe-OH

Cat. No.: GA22090

Chemical Properties

Cas. No. 2047-13-4

Formula $C_{15}H_{23}N_5O_3$

M.Wt 321.38

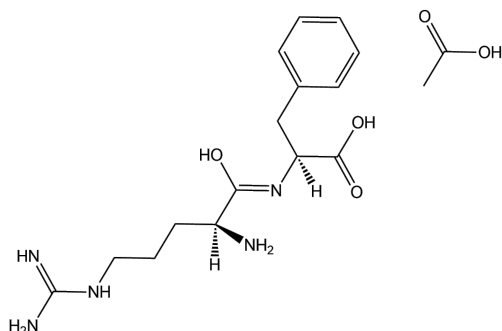
Solubility Soluble in DMSO

Storage Store at -20°C, protect from light

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

H-Arg-Phe-OH is a dipeptide that mimics the effects of neuropeptides (such as FMRF-NH₂) [1]. H-Arg-Phe-OH can activate the sympathetic nervous system through the central nervous system, increase blood pressure and heart rate, and has amphiphilic surface activity and can induce protein native conformation aggregation [2].

References:

[1]. Ewenson A, Laufen R, Chorev M, et al. Dehydro ketomethylene and ketomethylene analogs of substance P: synthesis and biological activity. Journal of medicinal chemistry. 1988 Feb;31(2):416-21.

[2]. Artemova N, Stein-Margolina V, Smirnova E, Gurvits B. Formation of supramolecular structures of a native-like protein in the presence of amphiphilic peptides: Variations in aggregate morphology.

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

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FEBS letters. 2012 Jan 20;586(2):186-90.

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