
Product Data Sheet

Product Name: Lyciumin A

Cat. No.: GC69417

Chemical Properties

Cas. No. 125708-06-7

Formula $C_{42}H_{51}N_9O_{12}$ M.Wt 873.91

Solubility Storage 4°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**

Lyciumin A, a cyclic octapeptide, exhibits inhibitory activity on proteases, angiotensin-converting enzyme. Lyciumin A can be used for the research of hypertension^{[1][2]}.

Lyciumin A inhibits renin activities by 19.4% (40 µg/mL).

[1]. Kersten RD, et, al. Gene-guided discovery and engineering of branched cyclic peptides in plants. Proc Natl Acad Sci U S A. 2018 Nov 13;115(46):E10961-E10969.

[2]. Rubin GM, et, al. Recent advances in the biosynthesis of RiPPs from multicore-containing precursor peptides. J Ind Microbiol Biotechnol. 2020 Oct;47(9-10):659-674.

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