

Product Data Sheet

Product Name: Argadin
Cat. No.: GC72189

Chemical Properties

Cas. No. 289665-92-5

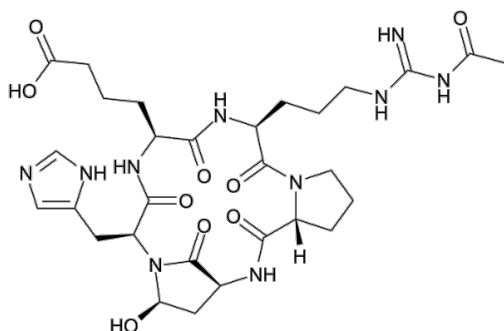
Formula $C_{29}H_{42}N_{10}O_9$ M.Wt 674.71

Solubility DMSO : 25 mg/mL (37.05 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) Storage Sealed storage, away from moisture and 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

Argadin is a cyclopentapeptide chitinase inhibitor. Argadin inhibits chitinase B (ChiB) with a K_i value of 20 nM. Argadin can be used for the research of fungicid and insecticid.

Argadin has inhibitory activity for chitinase B (ChiB) with a K_i value of 20 nM^[2].

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

References:

- [1]. Jun Koseki, et al. Molecular Orbital Study of the Formation of Intramolecular Hydrogen Bonding of a Ligand Molecule in a Protein Aromatic Hydrophobic Pocket. Chem Pharm Bull (Tokyo). 2016;64(7):1031-5.
- [2]. Hiroaki Gouda, et al. Computational analysis of the binding affinities of the natural-product cyclopentapeptides argifin and argadin to chitinase B from *Serratia marcescens*. Bioorg Med Chem. 2008 Apr 1;16(7):3565-79.

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