

---

**Product Data Sheet**

---

Product Name: H-D-Aib-OH

Cat. No.: GA10716

**Chemical Properties**

Cas. No. 2623-91-8

Chemical Name (2R)-2-aminobutanoic acid

SMILES CCC(C(=O)O)NFormula  $C_4H_9NO_2$ 

M.Wt 103.1

Solubility  $H_2O$  : 100 mg/mL (969.74 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble) Storage

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**

D(-)-2-Aminobutyric acid is a substrate of D-amino acid oxidase.

D(-)-2-Aminobutyric acid (D- $\alpha$ -aminobutyric acid) is a substrate of D-amino acid oxidase[1].

References:

[1]. Yagi K, et al. Spectroscopic demonstration of an initial stage of the complex of D-amino acid oxidase and its substrate D-alpha-aminobutyric acid. Biochem Biophys Res Commun. 1980 Nov 28;97(2):370-4.

**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

---