

Product Data Sheet

Product Name: Phaseoloidin

Cat. No.: GC61178

Chemical Properties

Cas. No. 118555-82-1

SMILES O=C(O)CC1=CC(O)=CC=C1O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O

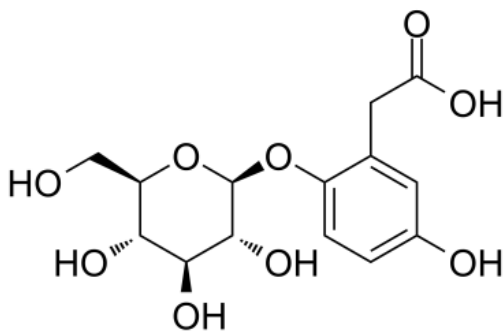
Formula $C_{14}H_{18}O_9$ M.Wt 330.29

Solubility DMSO : 100 mg/mL (302.76 mM; Need ultrasonic) 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

Phaseoloidin is a homogentisic acid glucoside from *Nicotiana attenuata* trichomes and contributes to the plant's resistance against lepidopteran herbivores. Phaseoloidin reduces larval growth of the specialist larvae *Manduca sexta* and the generalist larvae *Spodoptera littoralis*[1]. Phaseoloidin has anti-complement activitie[2].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Alexander Weinhold, et al. Phaseoloidin, a homogentisic acid glucoside from *Nicotiana attenuata* trichomes, contributes to the plant's resistance against lepidopteran herbivores. *J Chem Ecol.* 2011 Oct;37(10):1091-8.

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