
Product Data Sheet

Product Name: (Rac)-Arnebin 1

Cat. No.: GC69794

Chemical Properties

Cas. No. 5162-01-6

Formula C₂₁H₂₂O₆

M.Wt 370.4

Solubility DMSO : 25 mg/mL (67.49 mM; Need ultrasonic)

Storage 4°C, 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**

(Rac)-Arnebin 1 ((Rac)- β,β -Dimetlacrylalkannin) is the racemate of β,β -Dimetlacrylalkannin and/or β,β -Dimetlacrylshikonin. β,β -Dimetlacrylalkannin and β,β -Dimetlacrylshikonin are naphthoquinones isolated from *Arnebia nobilis*. β,β -Dimetlacrylshikonin has anti-tumor activity^[1].

[1]. Zeng Z, et al. Arnebin-1 promotes angiogenesis by inducing eNOS, VEGF and HIF-1 α expression through the PI3K-dependent pathway. Int J Mol Med. 2015 Sep;36(3):685-97.

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