
Product Data Sheet

Product Name: 3-O-Acetyl- α -boswellic acid

Cat. No.: GC64630

Chemical Properties

Cas. No. 89913-60-0

Formula C₃₂H₅₀O₄

M.Wt 498.74

Solubility DMSO : 100 mg/mL (200.51 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**

α -acetyl Boswellic acid is a pentacyclic triterpene and isomer of β -acetyl-boswellic acid originally isolated from *B. serrata*.¹ It inhibits LPS-induced TNF- α mRNA expression in monocytes as well as NF- κ B activity in HEK293 cells when used at a concentration of 10 μ M.¹ α -acetyl Boswellic acid also inhibits phosphorylation of I κ B α mediated by I κ B kinases (IKKs) in monocytes.

1.Syrovets, T., Büchele, B., Krauss, C., et al.Acetyl-boswellic acids inhibit lipopolysaccharide-mediated TNF- α induction in monocytes by direct interaction with I κ B kinasesJ. Immunol.174(1)498-506(2005)

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