
Product Data Sheet

Product Name: alpha-L-Rhamnose

Cat. No.: GC19750

Chemical Properties

Cas. No. 3615-41-6

SMILES C[C@@H]1OC(O)[C@H](O)[C@H](O)[C@H]1OFormula $C_6H_{12}O_5$ M.Wt 164.16

Solubility Storage Store at 2-8°C

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**

Addition of the Rhamnose-rich polysaccharide, RROP-1, to normal human dermal fibroblasts (NHDFs) and human endothelial cells produced a dose-dependent stimulation of the calcium-signaling pathway, inducing fast and transient increases in Ca² influx and intracellular free Ca² level.

Faury G, et al. The alpha-L-Rhamnose recognizing lectin site of human dermal fibroblasts functions as a signal transducer: modulation of Ca²⁺ fluxes and gene expression. *Biochim Biophys Acta*. 2008 Dec;1780(12):1388-94.

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
