
Product Data Sheet

Product Name: Triphala
Cat. No.: GC32041

Chemical Properties

Cas. No. 857906-76-4

SMILES [Triphala]

Formula M.Wt

Solubility Soluble in DMSO Storage Store at -20°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

Triphala, an Ayurvedic polyherbal formulation comprising of equiproportional fruit parts of Terminalia chebula, Terminalia bellerica, and Phyllanthus emblica[1]. Triphala inhibits NF-κB activation. Triphala exerts antifungal action[2]. Anti-adipogenic, anti-inflammatory, and anti-neoplastic activities.

Triphala regulates adipogenesis through modulation of expression of adipogenic genes in 3T3-L1 cell line. Triphala significantly decreases the adipogenesis in 3T3-L1 cells by reducing lipid accumulation and inhibiting the expression of adipogenic genes. The 3T3-L1 cells treated with Triphala show ~1.43-, 1.67-, and 2.5-fold decreases in lipid content at 1, 10, and 100 µg/mL concentrations, respectively, compared to the cells treated with induction cocktail alone. Triphala regulates lipid accumulation by down regulating expression of adipogenic genes, resulting into prevention of adipogenesis[1]. Triphala reduces expression of inflammatory mediators such as IL-17, COX-2, and RANKL through inhibition of NF-κB activation[2]. Triphala exerts antifungal action against Asperigillus species and has been reported to inhibit the fungus by up to 37.96% in vitro[2].

[1]. Banjare J, et al. Triphala, Regulates Adipogenesis through Modulation of Expression

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

Product Data Sheet

of Adipogenic Genes in 3T3-L1 Cell Line. Pharmacogn Mag. 2018 Jan;13(Suppl 4):S834-S839. [2]. Peterson CT, et al. Therapeutic Uses of Triphala in Ayurvedic Medicine. J Altern Complement Med. 2017 Aug;23(8):607-614.

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