

Product Data Sheet

Product Name: Lithium benzoate

Cat. No.: GD15754

Chemical Properties

Cas. No. 553-54-8

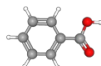
Formula C₇H₅LiO₂ M.Wt 128.054

Solubility H₂O : 100 mg/mL (780.94 mM; Need Storage ultrasonic)

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

Benzoic acid lithium is an aromatic alcohol found in many plants and is a common additive in food, beverages, cosmetics and other products. Benzoic acid lithium inhibits bacteria and fungi and acts as a preservative.

Benzoic acid (1 mM) lithium stimulates OAT2-catalyzed efflux of glutamic acid and orotic acid from OAT2h-expressing 293 cells^[2].

Benzoic acid (0.5 and 2.0 mg/disc) lithium shows antibacterial activity against *S. aureus*, *S. epidermidis*, *P. aeruginosa*, *B. cereu*^[4].

Combinations of benzoic acid (2,000 mg/kg in diet, 1-14 days) lithium and Thymol (100 mg/kg in diet, 1-14 days) improves growth performance, promotes nutrient digestion and absorption, and reduces diarrhea in weaned pigs^[3].

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