

Product Data Sheet

Product Name: Diisopropyl Adipate

Cat. No.: GD09741

Chemical Properties

Cas. No. 6938-94-9

Formula C₁₂H₂₂O₄

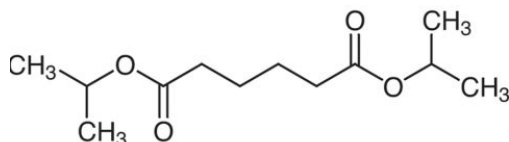
M.Wt 230.301

Solubility DMSO : 100 mg/mL (434.22 mM; Storage
Need ultrasonic)

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

Diisopropyl adipate is an alternative plasticizer and a TRPA1 activator. Diisopropyl adipate activates TRPA1 and enhances FITC-induced contact hypersensitivity (CHS). Diisopropyl adipate also serves as an ingredient in cosmetics and drug formulations topically applied to the skin. Diisopropyl adipate can be used as an excipient, such as emollients, plasticizers. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and

Caution: Product has not been fully validated for medical applications. For research use only.

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processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs.

[1]. Kurohane K, et al. Adjuvant Effect of an Alternative Plasticizer, Diisopropyl Adipate, on a Contact Hypersensitivity Mouse Model: Link with Sensory Ion Channel TRPA1 Activation. Biol Pharm Bull. 2015;38(7):1054-62.

[2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

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