

## Product Data Sheet

Product Name: Tributyl citrate

Cat. No.: GD21612

### Chemical Properties

Cas. No. 77-94-1

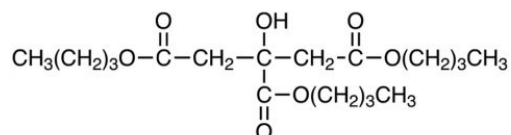
Formula C<sub>18</sub>H<sub>32</sub>O<sub>7</sub> M.Wt 360.442

Solubility DMSO : 100 mg/mL (277.43 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

Tributyl citrate is a citric acid ester. Tributyl citrate can be used as an excipient, such as plasticizer. 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 processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs.

[1]. FINKELSTEIN M, et al. Toxicology of the citric acid esters: tributyl citrate, acetyl tributyl citrate,

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

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triethyl citrate, and acetyl triethyl citrate. Toxicol Appl Pharmacol. 1959 May;1(3):283-98.

[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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