

Product Data Sheet

Product Name: Dimethyl Citric acid

Cat. No.: GC64140

Chemical Properties

Cas. No. 53798-97-3

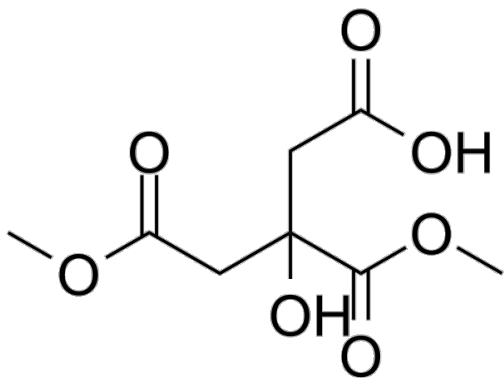
Formula C₈H₁₂O₇ M.Wt 220.18

Solubility DMSO : ≥ 100 mg/mL (454.17 mM);
H₂O : 5 mg/mL (22.71 mM);
Storage Store at -20°C
ultrasonic and warming and heat to 60°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

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Dimethylurea/citric acid is a highly efficient deep eutectic solvent (DES). Dimethylurea/citric acid can be used as a catalyst and a green reaction medium for the synthesis of bis(indolyl)methanes, quinolines and aryl-4, 5-diphenyl-1H-imidazoles.

[1]. BEHNAZ BAFTI & HOJATOLLAH KHABAZZADEH, et al. Dimethylurea/citric acid as a highly efficient deep eutectic solvent for the multi-component reactions. Journal of Chemical Sciences volume 126, pages881-887

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