
Product Data Sheet

Product Name: Diethyl butylmalonate

Cat. No.: GC64042

Chemical Properties

Cas. No. 133-08-4

Formula C₁₁H₂₀O₄

M.Wt 216.27

Solubility DMSO : 100 mg/mL (462.38 mM; Need ultrasonic)|Water : 1 mg/mL (4.62 mM; Need ultrasonic) Store Storage 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**

Diethyl butylmalonate exhibits toxicity to *T. pyriformis*, with a log(IGC50-1) of 0.557[1].

[1]. T I Netzeva, et al. Partial least squares modelling of the acute toxicity of aliphatic compounds to *Tetrahymena pyriformis*. SAR QSAR Environ Res. 2003 Aug;14(4):265-83.

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

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