

Product Data Sheet

Product Name: 3-Penten-2-one

Cat. No.: GF29558

Chemical Properties

Cas. No. 625-33-2

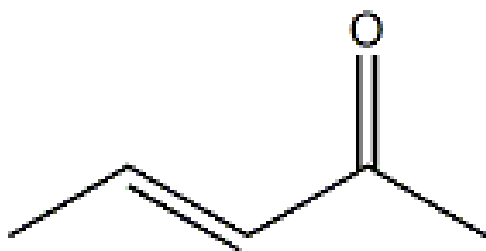
Formula C_5H_8O M.Wt 84.12

Solubility DMSO : 100 mg/mL(1188.78 mM; Storage -20°C
Need 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

3-Penten-2-one (Ethylideneacetone) inhibits nitric oxide production and inducible nitric oxide synthase expression via heme oxygenase-1 induction in RAW264.7 macrophages activated with Lipopolysaccharides (LPS)^[1].

References:

[1]. Kil JS, et al. Okanin, a chalcone found in the genus Bidens, and 3-penten-2-one inhibit inducible nitric oxide synthase expression via heme oxygenase-1 induction in RAW264.7 macrophages activated with lipopolysaccharide. J Clin Biochem Nutr. 2012 Jan;50(1):53-8.

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

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