

Product Data Sheet

Product Name: p-Xyloquinone

Cat. No.: GD20008

Chemical Properties

Cas. No. 137-18-8

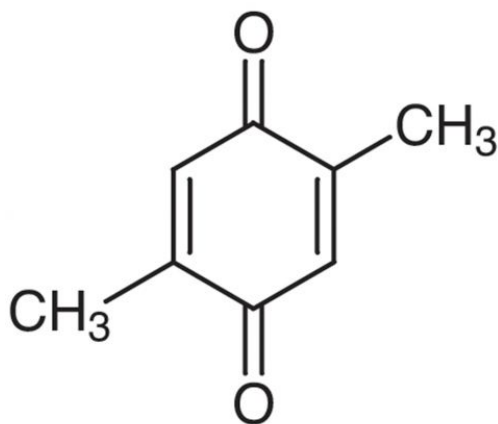
Formula $C_8H_8O_2$ M.Wt 136.15

Solubility DMSO : 50 mg/mL(367.24 mM; Need ultrasonic) Storage Store at room temperature

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

2,5-Dimethyl-1,4-benzoquinone is a jack bean urease inhibitor (IC₅₀: 0.98 μM). 2,5-Dimethyl-1,4-benzoquinone can be used in the study of soil urease activity in agriculture^[1].

References:

[1]. Zaborska W, et al. Inhibition of jack bean urease by 1,4-benzoquinone and 2,5-dimethyl-1,4-benzoquinone. Evaluation of the inhibition mechanism. J Enzyme Inhib Med Chem. 2002 Aug;17(4):247-53.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

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