

Product Data Sheet

Product Name: Coumaran

Cat. No.: GC39836

Chemical Properties

Cas. No. 496-16-2

SMILES C12=CC=CC=C1CCO2

Formula C8H8O M.Wt 120.15

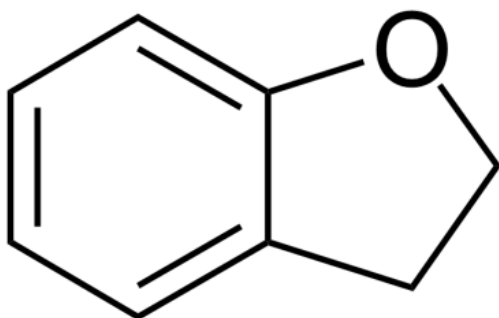
Solubility H_2O : 150 mg/mL (1248.44 mM; Need ultrasonic); DMSO : 150 mg/mL (1248.44 mM; Need ultrasonic)

Storage Store 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

Coumaran (2,3-Dihydrobenzofuran) is an acetylcholinesterase (AChE) inhibitor isolated from leaves of *L. camara*. Coumaran can be used as a biopesticide[1].

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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[1]. Yallappa Rajashekar, et al. Acetylcholinesterase Inhibition by Biofumigant (Coumaran) From Leaves of Lantana Camara in Stored Grain and Household Insect Pests. Biomed Res Int. 2014;2014:187019.

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