
Product Data Sheet

Product Name: Phthalide
Cat. No.: GC61676

Chemical Properties

Cas. No. 87-41-2

SMILES O=C1OCC2=C1C=CC=C2

Formula C8H6O2

M.Wt 134.13

Solubility DMSO : 100 mg/mL (745.55 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

Phthalide is a promising chemical scaffold with a potent anti-inflammatory efficacy. Phthalide can be used to synthesize a variety of phthalide derivatives including anti-inflammatory agent, antimicrobial, antioxidant[1][2][3].

[1]. Liu Zeng Chen, et al. Novel phthalide derivatives: Synthesis and anti-inflammatory activity in vitro and in vivo. Eur J Med Chem. 2020 Nov 15;206:112722. [2]. Chakapong Intaraudom, et al. Antimicrobial drimane - phthalide derivatives from Hypoxylon fendleri BCC32408. Fitoterapia. 2019 Oct;138:104353. [3]. Xin Fang, et al. Synthesis of phthalide derivatives and evaluation on their antiplatelet aggregation and antioxidant activities. J Asian Nat Prod Res. 2020 Dec;22(12):1176-1187.

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

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