
Product Data Sheet

Product Name: 3,4-Benzocoumarin

Cat. No.: GC35104

Chemical Properties

Cas. No. 2005-10-9

SMILES O=C1C2=CC=CC=C2C3=CC=CC=C3O1Formula $C_{13}H_8O_2$

M.Wt 196.2

Solubility DMSO : 100 mg/mL (509.68 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**

3,4-Benzocoumarin is a kind of the expanded structure of coumarin derivatives. Coumarin is a chemical compound in the benzopyrone chemical class that can be found in many natural species. Coumarins possess variety of biological activities and unique photophysical properties[1]. 3,4-Benzocoumarin, a AOH-like compound , has the sensibility of the antibody with an IC50 of 919.2 ng/mL[2].

[1]. Wang J, et al. Application of quantitative structure-activity relationship analysis on an antibody and alternariol-like compounds interaction study. J Mol Recognit. 2019 Jun;32(6):e2776. [2]. Jung Y, et al. Benzo[g]coumarin-Based Fluorescent Probes for Bioimaging Applications. J Anal Methods Chem. 2018 Jun 14;2018:5249765.

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