

Product Data Sheet

Product Name: Coumarin 7

Cat. No.: GC52036

Chemical Properties

Cas. No. 27425-55-4

SMILES O=C1OC2=C(C=C1C3=NC4=C(N3[H])C=CC=C4)C=CC(N(CC)CC)=C2

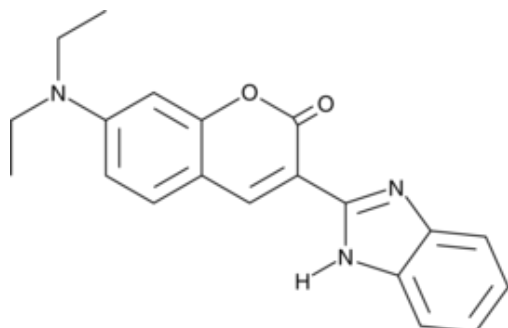
Formula C₂₀H₁₉N₃O₂ M.Wt 333.4

Solubility DMF: 1 mg/ml, DMSO: 1 mg/ml, Ethanol: insol, PBS (pH 7.2): insol Storage -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

Coumarin 7 is a coumarin laser dye.^{1,2}

1. Mishra, V.R., and Sekar, N. Photostability of coumarin laser dyes - a mechanistic study using global and local reactivity descriptors. *J. Fluoresc.* 27(3)1101-1108(2017) 2. Yenagi, J.V., Gorbai, M.R., Savildatti, M.I., et al. Study of photophysical parameters and measurement of laser characteristics of coumarin 7 and acriflavine. *Spectrosc. Lett.* 25(1)63-72(1992)

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