

Product Data Sheet

Product Name: Gallein
Cat. No.: GC38656

Chemical Properties

Cas. No. 2103-64-2

SMILES O=C1OC2(C3=C(OC4=C2C=CC(O)=C4O)C(O)=C(O)C=C3)C5=C1C=CC=C5

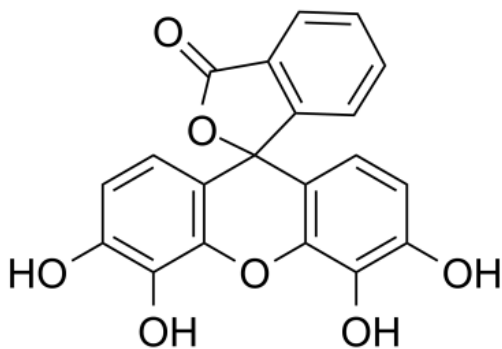
Formula $C_{20}H_{12}O_7$ M.Wt 364.31

Solubility DMSO: 33.33 mg/mL (91.49 mM; ultrasonic and warming and heat to 80°C) Storage 4°C, protect from light

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

Gallein is a G protein $\beta\gamma$ ($G\beta\gamma$) subunit signalling inhibitor. Gallein disrupts the interaction of $G\beta\gamma$ subunits with the PI3K γ . Anticancer agent[1]. Gallein used as a red dye, an acid-base indicator and as a detection reagent for phosphates[2].

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

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[1]. Sanz G, et al. Gallein, a G $\beta\gamma$ subunit signalling inhibitor, inhibits metastatic spread of tumour cells expressing OR51E2 and exposed to its odorant ligand. BMC Res Notes. 2017 Oct 30;10(1):541. [2]. Lillie RD, et al. Hematoxylin substitutes: gallein as a biological stain. Stain Technol. 1974 Nov;49(6):339-46.

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