
Product Data Sheet

Product Name: Purpurogallin carboxylic acid

Cat. No.: GC39031

Chemical Properties

Cas. No. 5146-12-3

SMILES OC1=C2C(C=C(C(O)=O)C=C(O)C2=O)=CC(O)=C1O

Formula $C_{12}H_8O_7$ M.Wt 264.19

Solubility Soluble in DMSO 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

Purpurogallin carboxylic acid, isolated from *Macleaya microcarpa* (Maxim.) Fedde, is an oxidation product of gallic acid in fermented tea. Purpurogallin carboxylic acid has anti-cancer activity[1][2].

[1]. Jhoo, J.W, et al. Anti-inflammatory Effects of Purpurogallin Carboxylic Acid, An Oxidation Product of Gallic Acid in Fermented Tea. [2]. Rambabu M, et al. Virtual screening of National Cancer Institute database for claudin-4 inhibitors: Synthesis, biological evaluation, and molecular dynamics studies. *J Cell Biochem.* 2018 Nov 26.

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

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