

## Product Data Sheet

Product Name: Digallic Acid

Cat. No.: GC18456

### Chemical Properties

Cas. No. 536-08-3

Chemical Name 3,4-dihydroxy-5-[(3,4,5-trihydroxybenzoyl)oxy]-benzoic acid

SMILES OC(C1=CC(OC(C2=CC(O)=C(O)C(O)=C2)=O)=C(O)C(O)=C1)=O

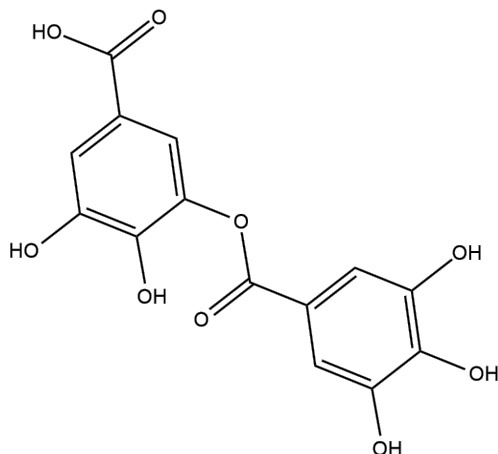
Formula  $C_{14}H_{10}O_9$  M.Wt 322.2

Solubility DMSO: Soluble, Methanol: Soluble 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

Digallic acid is a natural polyphenolic that can be produced by hydrolysis of gallotannins. Like other polyphenolic compounds, digallic acid has antioxidant activity that can be cytoprotective. Digallic acid inhibits reverse transcriptases from human immunodeficiency virus ( $K_i = 0.58 \mu M$ ) and murine leukemia virus. It also inhibits calcium-activated chloride channels, blocking the initial agonist-stimulated chloride current.

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

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