

Product Data Sheet

Product Name: (-)-Epigallocatechin-3-(3"-O-methyl) gallate

Cat. No.: GC38331

Chemical Properties

Cas. No. 83104-87-4

SMILES O=C(O[C@H]1[C@@H](C2=CC(O)=C(O)C(O)=C2)OC3=CC(O)=CC(O)=C3C1)C4=CC(OC)=C(O)C(O)=C4

Formula $C_{23}H_{20}O_{11}$

M.Wt 472.4

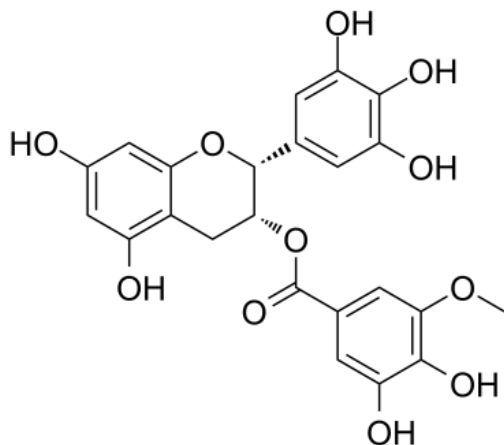
Solubility DMSO : 50 mg/mL (105.84 mM;
Need ultrasonic)

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

(-)-Epigallocatechin-3-(3"-O-methyl) gallate is a natural product isolated from the tea leaf, with strong antioxidative activity. (-)-Epigallocatechin-3-(3"-O-methyl) gallate has a strong cytotoxic activity for rat cancer cells[1].

[1]. Kawase M, et al. Antioxidative activity of (-)-epigallocatechin-3-(3"-O-methyl)gallate isolated from

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

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fresh tea leaf and preliminary results on its biological activity. Biosci Biotechnol Biochem. 2000 Oct;64(10):2218-20.

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