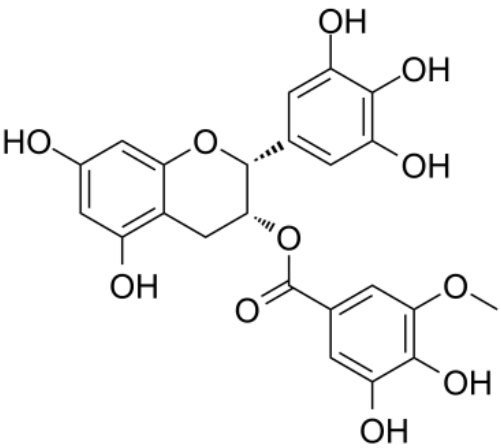
Product Data Sheet

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

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