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**Product Data Sheet**

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Product Name: (±)-Catechin

Cat. No.: GC26181

**Chemical Properties**

Cas. No. 7295-85-4

Formula  $C_{15}H_{14}O_6$ 

M.Wt 290.27

Solubility DMSO : 125 mg/mL (430.63 mM; Need ultrasonic) Storage Store at 2-8°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**

(±) - Catechin (rel Xianidanol) is the racemate of Catechin. (±) - Catechin has two forms of (+) - Catechin and its enantiomer (-) - Catechin. (+) - Catechin inhibits cyclooxygenase-1 (COX-1) with an IC<sub>50</sub> of 1.4 μ M. (±) - Catechin has anti-tumor, anti obesity, anti diabetes, anti cardiovascular, anti infection, liver protection and neuroprotective effects.

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

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