[Product Information]

Name: (+)-Catechin hydrate
Catalog No.: CFN99568
Cas No.: 7295-85-4
Purity: >98%
M.F: C_{13}H_{14}O_{6}.H_{2}O
M.W: 308.28

Physical Description: White powder

Synonyms: trans-2-(3,4-dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Agricultural research;
6. Others.

[Source]

The bark of *Taxus yunnanensis*.

[Biological Activity or Inhibitors]
(+)-Catechin hydrate acts as mixed type inhibitor with predominant inhibition at anodic site, it has inhibiting action on the corrosion of mild steel in hydrochloric acid.[1]

(+)-Catechin hydrate has antioxidant activity and is effective in reducing oxidative stress.[2]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ]
Mobile phase: 0.1% Acetic acid in water- Methanol, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 20 °C;
The wavelength of determination: 278 nm.

[ Storage ]
2-8°C, Protected from air and light, refrigerate or freeze.

[ References ]

[ Contact ]
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