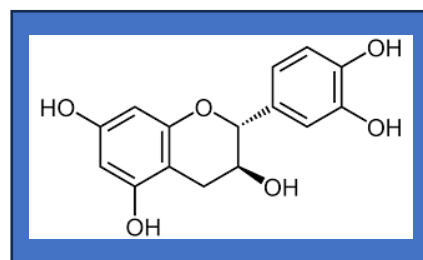


Catechin: [+ (-) Catechin Analytical Standard]

Catechin is a flavan-3-ol, a type of secondary metabolite, providing antioxidant roles in plants. It belongs to the subgroup of polyphenols called flavonoids. The name of the catechin chemical family derives from catechu family.



Our product is obtained from dried ripe Areca Nut (Seed).

Empirical Formula (Hill Notation):

C₁₅H₁₄O₆:

CAS No 154-23-4 **Molecular Weight** 290.27

| | |
|----------------------------|------------------------------------|
| Product Name | (+) – Catechin analytical standard |
| Synonym | (+)- Cyanidanol , D-Catechin |
| Part Used | Seed |
| Color/Form | White or cream |
| Purity (HPLC Area) | >97% |
| Proton NMR Spectrum | Conforms to structure |
| Expiry Period | 36 months when properly stored. |
| Storage temperature | 2-8 °C |

Phytochemistry

This analytical standard is useful as a reference standard as well used in Food and Beverages.

Biological Activity

1. It is a well-demonstrated antioxidant and hence useful in various drugs.
2. It is indicated to be useful to reduce the symptoms of Parkinson's disease and Alzheimer's disease.
3. Catechin exhibits immunomodulatory effect and hence is indicated as a therapeutic ingredient.