

# Tea Catechins

Catechins account for 75-80% of total polyphenols in fresh tea leaves. These are high value antioxidants responsible for numerous health benefits of tea. A simple, green and economical process for purification of catechins from tender and coarse leaves has been developed.



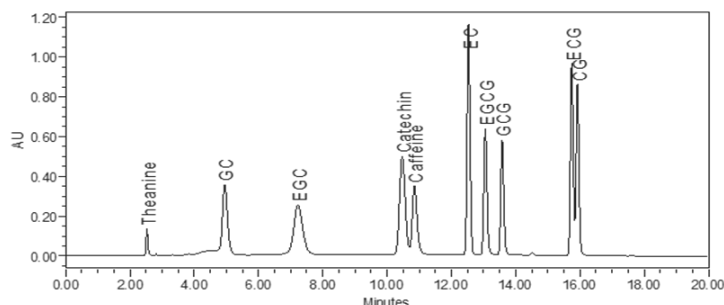
Tea Leaves



Purification Column



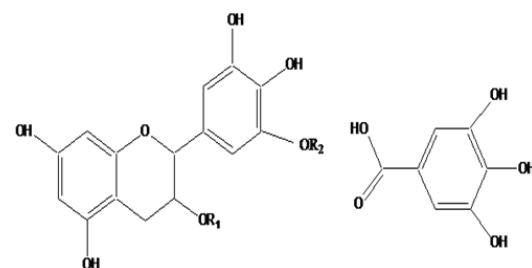
Catechins



HPLC profile of major tea catechins

## Properties of Tea Catechins

- Physiological antioxidants
- Anti-obesity properties
- Anti-inflammatory
- Anti-microbial activity
- Improves gut micro flora
- Anti-carcinogenic activity
- Lowers blood cholesterol
- Prevent dental caries



Epicatechin	$R_1 = H, R_2 = H$
Epigallocatechin	$R_1 = H, R_2 = OH$
Epicatechin gallate	$R_1 = Gallate, R_2 = H$
Epigallocatechin gallate	$R_1 = Gallate, R_2 = OH$

**Applications:** Nutraceuticals, Natural Preservative and Anti-microbial in Food, Health-care and Cosmetic Industries

## Contact:

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