PRODUCT PROFILE

THEAFLAVINS

Ninety per cent of tea catechins can be converted to Theaflavins.

Structure of Theaflavin and its gallates

TF-1

R1 = OH, R2 = OH

TF-2

Theaflavin-3-monogallate

R1 = OH, R2 =gallate

theaflavin-3'-monogallate

R2 = OH, R1 = gallate

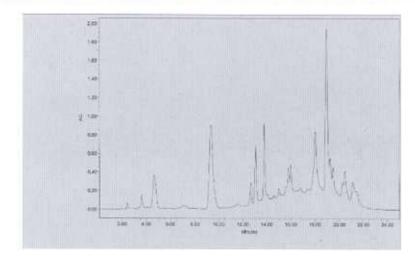
TF3

R1 = R2 = gallate

Properties of Theaflavins

- Anti-oxidant
- Anti-mutagenic
- Food colorant
- Cancer risk reduction
- Gingivitis (periodontal disease)
- Lowering of blood cholesterol
- Lowering of high blood pressure
- Improved immune function
- Improved prostate health

HPLC profile after bioconversion of catechins to theaflavins



1 Kg of catechin extract from leaf will convert to approx. 750 g of Theaflavins at an approx. cost of Rs. 7500.0 in an upscaled facility/pilot plant.

Packing suggestions: The dry powder can be packed preferably in air tight aluminium lined bags.

Technology transfer will be governed by CSIR Guidelines.

On site testing of quality parameters is available through quality control laboratory.

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