

Cyclopropenoic fatty acids

Description

Cyclopropenoic fatty acids (CFA) are toxic fatty acids and include sterculic and malvalic acid. They can cause abnormalities in the reproductive processes, disrupt the lipid metabolism, and impair the growth. Moreover, when associated with aflatoxins, CFA are suspected to be carcinogenic to fish (Francis *et al.*, 2001).

Occurrences

CFA are present in cottonseed oil and meal.

Treatment

CFA are usually removed from the oilseeds during oil extraction but residual levels may persist (Tacon, 1997).