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4-Methoxyestrone

National Cancer Institute

Source

National Cancer Institute. *4-Methoxyestrone*. NCI Thesaurus. Code C120470.

A metabolite formed during the methylation of 4-hydroxyestrone (4-OHE1) by catechol-O-methyltransferase (COMT) and devoid of any oncogenic or anticarcinogenic activities. The 4-methoxyestrone (4-MeOE1):4-OHE1 ratio can be used to assess methylation efficiency and cancer risk. Lower 4-MeOE1:4-OHE1 ratios suggest inadequate methylation and increased risk of certain cancers.