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# CYP2C19\*4 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2C19\*4 Allele*. NCI Thesaurus. Code C45608.

Human CYP2C19\*4 allele is located within 10q24.1-q24.3 and is approximately 90 kb in length. This allele, a variant form of the CYP2C19 wild-type allele, does not encode a cytochrome P450 2C19 protein. The CYP2C19\*4 allele exhibits a clinically-relevant SNP (c.1A>G) in the initiation codon that prevents translation of a protein product. Individuals who are heterozygous for this allele display a poor metabolizer phenotype.