

Rosuvastatin (Crestor®)

- **Drug Class:** HMG-CoA Reductase Inhibitor, Statin
- **Gene:** ABCG2
 - Variations in ABCG2 can lead to increased exposure to rosuvastatin
 - No dose changes are necessary when a person has two normal function alleles or if they have one variant allele
 - If two variant alleles are present, doses of rosuvastatin should not exceed 20 mg, and patients with increased needs should consider switching to a different statin or adding on another non-statin medication
 - This gene variant is most common in East Asians, with a prevalence of 30.71%

Sources:

1. <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=4ccbaa83-d57a-421e-88a8-1cee42d4207b&audience=consumer>
2. <https://cpicpgx.org/guidelines/cpic-guideline-for-statins/>
3. <https://pmc.ncbi.nlm.nih.gov/articles/PMC8954661/>