

Background for Health Care Provider:

Ethosuximide is rapidly and completely absorbed after oral administration and is not affected by food. Ethosuximide is not bound to serum albumin. Metabolism of Ethosuximide occurs primarily by the CYP3A4 and to a smaller extent by the CYP2E and CYP2B isozymes subfamilies. Drugs which are inducers or inhibitors of these enzyme systems, most notably CYP3A4, will alter the serum plasma levels of Ethosuximide. Ethosuximide does not have inductive or inhibitive activity for CYP450 enzymes. Only a small percentage of a given dose of Ethosuximide is recovered in the urine.

Effect of Other Drugs on Ethosuximide Serum Levels:**Decrease Ethosuximide Serum Levels**

- Carbamazepine
- Carbamazepine
- Phenobarbital
- Phenytoin
- Primidone
- Rifampin

Increase Ethosuximide Serum Levels

- Isoniazid
- Valproic Acid

Effect of Ethosuximide on Other Drugs' Serum Levels:**Increase Other Serum Drug Levels**

- No known clinically significant interactions

Decrease Other Serum Drug Levels

- No known clinically significant interactions

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