

CARBAMAZEPINE (Cas No 298-46-4)

CAS number 298-46-4

Chemical data

Formula C₁₅H₁₂N₂O Mol. mass 236.269 g/mol

Pharmacokinetic data

Bioavailability 80%

Protein binding 76%

Metabolism Hepatic—by CYP3A4, to active epoxide form (carbamazepine-10,11 epoxide)

Half life 25–65 hours

Excretion 2–3% excreted unchanged in urine

CARBAMAZEPINE: ANTI-EPILEPTIC IN CP/MR

Carbamazepine ("CBZ") is an anticonvulsant and mood stabilizing drug used primarily in the treatment of epilepsy and bipolar disorder. It is also used to treat ADD, ADHD, schizophrenia, Phantom limb syndrome, Paroxysmal extreme pain disorder, and trigeminal neuralgia.

Drug Interactions Involve :

Other Anti-epileptic drugs

Risperidone

Alcohol abuse

Anemia or other blood problems

Behavioral problems

Glaucoma

Heart or blood vessel disease

Urinary obstructive disorders

Diabetes mellitus

Kidney or Liver diseases