Carbamazepine

Cat. No. 4098

Alternative Name: CBZ
Chemical Name: 5H-Dibenz[b,f]azepine-5-carboxamide

Biological Activity

Inhibitor of neuronal voltage-gated Na⁺ channels. Exhibits anticonvulsant activity. Potentiates GABA-induced Cl⁻ currents in HEK 293 cells expressing the GABAA receptor α1β2γ2 subtype combination. Can induce autophagy by inhibiting inositol synthesis.

Technical Data

M.Wt: 236.27

Purity: >99%

Formula:
C₁₅H₁₂N₂O

Storage: Store at +4°C

Solubility: Soluble to 100 mM in DMSO and to 25 mM in ethanol

CAS No: 298-46-4

The technical data provided above is for guidance only.
For batch specific data refer to the Certificate of Analysis.

References


If you know of a relevant citation for this product please let us know.

Keywords: Carbamazepine, supplier, sodium, Na⁺, channels, GABAA, ligands, inhibits, inhibitors, anticonvulsants, CBZ