Lamotrigine is an antiepileptic drug belonging in the phenytoin class used in the treatment of epilepsy and bipolar disorder. For epilepsy it is used to treat partial seizures, primary and secondary tonic-clonic seizures, and seizures associated with Lenno-Gastaut syndrome. Lamotrigine also acts as a mood stabilizer. It is the first medication since lithium granted Food and Drug Administration (FDA) approval for the maintenance treatment of bipolar type I. In the US, lamotrigine is available as oral tablets under the market name Lamictal. Chemically unrelated to other anticonvulsants, lamotrigine has relatively few side-effects and does not require blood monitoring. While lamotrigine is primarily indicated for epilepsy and bipolar disorders, there is evidence that it could have some clinical efficacy in some neuropathic pain states. Lamotrigine is also used as an off-label drug in treating other neurologic and psychiatric pathologies like borderline personality disorder. The exact mechanism of action of lamotrigine is not fully elucidated, as it may have multiple cellular actions that contribute to its broad clinical efficacy.

SynZeal Research offers all related impurities which certified COA with all characterization data like IR, Mass, HPLC purity, NMR, and detailed structure characterization report as per requirements. Lamotrigine related products are being used by major pharmaceutical companies across the globe for their ANDA/DMF filing.

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