Mefenamic acid is a fenamate non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, neuroprotective, anticancer, and neuromodulatory activities. Mefenamic acid is a non-selective inhibitor of COX-1 and COX-2 that also potentiates activity at GABA-A receptors. In animal models of cerebral ischemia, mefenamic acid decreases infarct volume, edema, and ischemic brain damage. Additionally, this compound inhibits proliferation in colon cancer cells by altering cell cycle regulators and inhibiting store-operated Ca2+ entry into cells.

References
