Furosemide is a loop diuretic that is clinically used to treat congestive heart failure, edema, and hypertension; it inhibits the Na+/K+/Cl\(^{-}\) (NKCC) symporter and CFTR Cl\(^{-}\) channels in the loop of Henle, decreasing reabsorption of Na\(^{+}\) and K\(^{+}\) and increasing secretion of Mg\(^{2+}\) and Ca\(^{2+}\). Furosemide exhibits antihypertensive, anxiolytic, and potentially antiepileptic/anticonvulsant activities. Furosemide noncompetitively inhibits GABA-A receptors and decreases conditioned anxiety in animal models of contextual fear conditioning and fear-potentiated startle.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.