

Torsemide(Demadex)

Cat. No. CEI-0388

Lot. No. (See product label)

Introduction

Description Torsemide(Demadex) is a pyridine-sulfonyl urea type loop diuretic with an IC50 of 2.7 uM. Furosemide is the most widely prescribed loop diuretic in the setting of systolic heart failure (HF), yet torsemide has been shown to have less inter- and intra-individual variation in bioavailability and a longer duration of action compared with furosemide. Compared to furosemide, torsemide significantly reduces total HF readmissions and HF readmissions as well as CV readmissions in patients with "at least 1 readmission." Compared with furosemide, torsemide significantly reduces HF and CV-related hospital readmissions in systolic HF. Torsemide inhibits aldosterone secretion by adrenal cells from rats, cows, and guinea pigs stimulated in vitro by potassium, angiotensin, dibutyryl cyclic AMP, ACTH, or corticosterone. Inhibitory concentrations for adrenal cells (micromolar) were comparable with those reported to inhibit ion transport in isolated renal tubules.

Synonyms Demadex

Product Information

CAS No. 56211-40-6

Molecular Formula C16H20N4O3S

Molecular Weight 348.42

Purity >98%

Targets HF

Solubility DMSO 1 mg/mL, Water

Storage and Shipping Information

Storage 2 years -20centigrade Powder