Creative Enzymes®

# Torsemide(Demadex)

*Cat. No. CEI-0388*

*Lot. No.* (See product label)

## Introduction

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| ***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

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| ***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

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| ***Storage*** | 2 years -20centigrade Powder |