

**DATA SHEET**

**Product Name:** Losartan potassium

**Catalog #:** CV-1021

**Alt:** CAS # 124750-99-8; 2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)(1,1'-biphenyl)-4-yl]methyl]-1H-imidazole-5-methanol, potassium salt (DUP-753)

**Molecular Mass:** 461.0

**Analysis:** >99% (TLC); NMR (conforms)

**Supplied As:** Off-white powder

**Resuspension:** May be dissolved in DMSO (45 mg/ml); or water (45 mg/ml)

**Storage:** Store desiccated as supplied at 4°C for up to 2 years. Store solutions at -20°C for up to 2 months.

**Description:** Non-peptide angiotensin II receptor antagonist<sup>1,2</sup>. Clinically useful antihypertensive agent<sup>3</sup>. Inhibits collagen I synthesis<sup>4</sup>. Induces SIRT1 expression and activity and reduces hepatic injury in a rat reducedsize orthotopic liver transplantation model<sup>5</sup>. Displays neuroprotective effects along with nimesulide against chronic fatigue stress<sup>6</sup>. Displays myocardial antifibrotic activity<sup>7</sup>.

**References:**

1. Merck 14 : 5583
2. Chiu, A.T., et al., (1990) J. Pharmacol. Exp. Ther., 252 : 711
3. McIntyre, M., et al., (1997) Pharmacol. Ther., 74 : 181
4. Diop-Frimpong, B., et al., (2011) Proc. Natl. Acad. Sci. USA, 108 : 2909
5. Pantazi, E., et al., (2015) World J. Gastroenterol., 21: 8021
6. Kumar, A., et al., (2015) Inflammopharmacology, 23: 291
7. Miguel-Carrasco, J.L., et al., (2017) Sci. Rep., 7: 41865

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