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# DATASHEET

## Losartan Potassium

### Product overview

<b>Name</b>	Losartan Potassium
<b>Cat No</b>	HB2977
<b>Alternative names</b>	DuP-753
<b>Biological action</b>	Antagonist
<b>Purity</b>	>98%
<b>Description</b>	Selective, non-peptide AT <sub>1</sub> antagonist

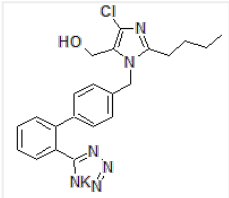
### Biological Data

<b>Biological description</b>	Selective, non-peptide AT <sub>1</sub> antagonist which inhibits classical actions of angiotensin II.  Also down regulates TGF- $\beta$ regulation. Shows anti-hypertensive action.  Recently studied as part of COVID-19 compound repurposing.
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### Solubility & Handling

<b>Storage instructions</b>	RT (desiccate)
<b>Solubility overview</b>	Soluble in water (100mM) and in DMSO (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

### Chemical Data

<b>Chemical name</b>	2-Butyl-4-chloro-1-[[2'-(1 <i>H</i> -tetrazol-5-yl)-[1,1'-biphenyl]-4-yl]methyl]-1 <i>H</i> -imidazole-5-methanol potassium salt
<b>Molecular Weight</b>	461
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>22</sub> ClKN <sub>6</sub> O
<b>CAS Number</b>	124750-99-8
<b>PubChem identifier</b>	11476710
<b>SMILES</b>	CCCC1=NC(Cl)=C(CO)N1CC2=CC=C(C3=CC=CC=C3C(N=N4)=NN4[K])C=C2
<b>InChi</b>	InChI=1S/C22H22ClN6O.K/c1-2-3-8-20-24-21(23)19(14-30)29(20)13-15-9-11-16(12-10-15)17-6-4-5-7-18(17)22-25-27-28-26-22;/h4-7,9-12,30H,2-3,8,13-14H2,1H3;/q-1;+1
<b>InChiKey</b>	OXCMMYAYHXHQQA-UHFFFAOYSA-N
<b>MDL number</b>	MFCD02092704

### References

### **Angiotensin receptor blockers as tentative SARS-CoV-2 therapeutics**

Gurwitz (2020) Drug Dev Res. 1002/ddr.21656

**PubMedID** [32129518](#)

### **Long-term prehypertension treatment with losartan effectively prevents brain damage and stroke in stroke-prone spontaneously hypertensive rats**

He et al (2019) Int J Mol Med. 33(2)

**PubMedID** [24337406](#)

### **The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma**

Coulson et al (2017) Oncotarget 8(12)

**PubMedID** [28416734](#)

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