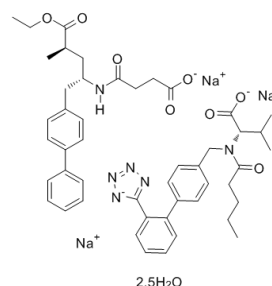


Product Name : LCZ-696
Synonyms : LCZ696;LCZ 696
Cat No. : M16707
CAS Number : 936623-90-4
Molecular Formula : C₄₈H₆₀N₆Na₃O₁₀.5
Formula Weight : 957.99



Chemical Name : L-Valine, N-(1-oxopentyl)-N-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-, compd. with α-ethyl (αR,γS)-γ-[(3-carboxy-1-oxopropyl)amino]-α-methyl[1,1'-biphenyl]-4-pentanoate, sodium salt, hydrate (2:2:6:5)

Description : A novel single molecule comprising molecular moieties of valsartan and NEP inhibitor prodrug AHU377 (1:1 ratio); causes dose-dependent increases in atrial natriuretic peptide immunoreactivity (due to NEP inhibition) in Sprague-Dawley rats and provides sustained, dose-dependent blood pressure reductions in hypertensive double-transgenic rats; orally active. Heart Failure Approved

Pathway : Metabolic Enzyme/Protease

Target : Neprilysin

Receptor : RAAS

Solubility : 10 mM in DMSO

SMILES : CC(C)[C@@H](C([O-])=O)N(C(CCCC=O)CC1=CC=C(C2=CC=CC=C2C3=NN=N[N-]3)C=C1.O=C(OCC)[C@H](C)C[C@H](NC(CCC([O-])=O)=O)CC4=CC=C(C5=CC=CC=C5)C=C4.[Na+].[Na+].[Na+].O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Gu J, et al. J Clin Pharmacol. 2010 Apr;50(4):401-14. | 2. von Lueder TG, et al. Circ Heart Fail. 2015 Jan;8(1):71-8. | 3. McMurray J, et al. Eur Heart J. 2015 Feb 14;36(7):434-9.