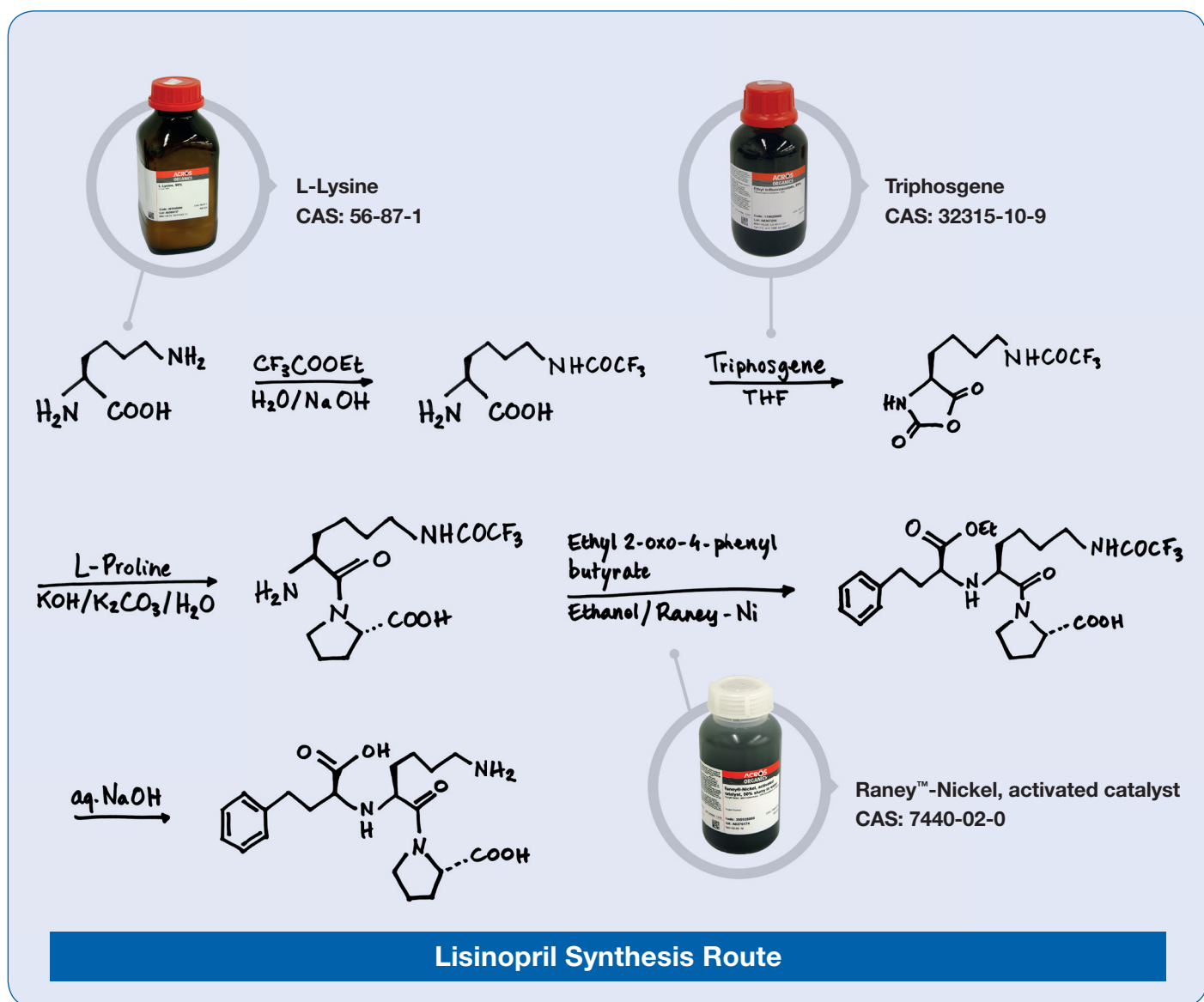


# The Synthesis of Lisinopril

Lisinopril, the second most prescribed generic medicine, is a drug of the angiotensin-converting enzyme (ACE) inhibitor class that is primarily used in the treatment of hypertension. It is the third ACE inhibitor after captopril and enalapril, and is chemically known as N2-[(1S)-1-Carboxy-3-phenylpropyl]-L-lysyl-L-proline.



The Acros Organics™ and Alfa Aesar™ brands provide all of the products involved in lisinopril synthesis in a variety of convenient pre-packs and in larger quantities on request.

Brand	Product Name	Pack Size	CAS No.	Cat. No.
Acros Organics	Ethanol, 99.5%, ACS Reagent, Absolute (200 Proof)	500mL	64-17-5	AC615095000
		1L		AC615090010
		2L		AC615090020
		4L		AC615090040
Acros Organics	Ethyl Trifluoroacetate, 99%	25mL	383-63-1	AC119020250
		100mL		AC119021000
		500mL		AC119025000
Acros Organics	L-Lysine, 98%	100g	56-87-1	AC303341000
		500g		AC303345000
Acros Organics	L(+)-Lysine Monohydrate, 99%	25g	39665-12-8	AC173730250
		100g		AC173731000
		500g		AC173735000
Fisher BioReagents	L(+)-Lysine Monohydrochloride, 99+%	100g	657-27-2	BP386100
Acros Organics	L(+)-Lysine Monohydrochloride, 99+%	250g	657-27-2	AC125222500
		1kg		AC125220010
		5kg		AC125220050
Acros Organics	L-Lysine Dihydrochloride, 99%	25g	657-26-1	AC413360250
Acros Organics	L-Lysine Dihydrochloride, 99%	100g	657-26-1	AC413361000
Acros Organics	L-Lysine Acetate, 97%	25g	57282-49-2	AC451630250
Acros Organics	L-Lysine Acetate, 97%	100g	57282-49-2	AC451631000
Acros Organics	Methyl Sulfoxide-d6, for NMR, 99.8 Atom % D	10mL	2206-27-1	AC364650100
Acros Organics	Methyl Sulfoxide-d6, for NMR, 99.8 Atom % D	50mL	2206-27-1	AC364650500
Acros Organics	Methyl Sulfoxide-d6, for NMR, 99.8 Atom % D	100mL	2206-27-1	AC364651000
Acros Organics	Methyl Sulfoxide-d6, for NMR, 99.9 Atom % D, AcroSeal	100mL	2206-27-1	AC426941000
Acros Organics	Potassium Carbonate, 99+%, ACS Reagent, Anhydrous	100g	584-08-7	AC424081000
		2.5kg		AC424080025
		10kg		AC424080100
Fisher BioReagents	Potassium Carbonate, Anhydrous	500g	584-08-7	BP365-500
Acros Organics	Potassium Hydroxide, ca. 85%, ACS Reagent	25g	1310-58-3	AC424140250
		500g		AC424145000
		2.5kg		AC424140025
		5kg		AC424140050
		25kg		AC424140251
Fisher Chemical	Potassium Hydroxide, Certified ACS	10kg	1310-58-3	P250-10
Fisher BioReagents	L-Proline	100g	147-85-3	BP392-100
Acros Organics	Sodium Hydroxide, 97+%, ACS Reagent	25g	1310-73-2	AC424330250
		500g		AC424335000
		1kg		AC424330010
		2.5kg		AC424330025
		10kg		AC424330100
Acros Organics	Sodium Hydroxide, 50% Solution in Water, for Analysis	500mL	1310-73-2	AC380215000
Acros Organics	Sodium Hydroxide, for Analysis, 50% Solution in Water	2.5L	1310-73-2	AC380210025
Acros Organics	Sodium Hydroxide, for Analysis, 50% Solution in Water	10L	1310-73-2	AC380210100
Acros Organics	Tetrahydrofuran, 99.6%, ACS Reagent, Stabilized with BHT	1L	109-99-9	AC164240010
		5L		AC164240050
Acros Organics	Triphosgene, 99%	5g	32315-10-9	AC258950050
		10g		AC258950100
		50g		AC258950500

For more information visit [fishersci.com/AcrosOrganics](http://fishersci.com/AcrosOrganics) or [fishersci.ca/AcrosOrganics](http://fishersci.ca/AcrosOrganics), or contact your Fisher Scientific™ Sales Representative.



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