

Product Information

Product ID P1869

CAS No. 107133-36-8

Chemical Name

Synonym

Formula C₁₉H₃₂N₂O₅ · C₄H₁₁N

Formula Wt. 441.60

Melting Point 100-101 °C

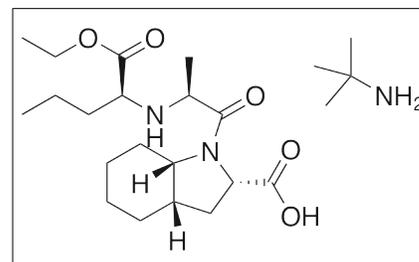
Purity ≥95%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Perindopril exhibits antihypertensive, anti-fibrotic, neuroprotective, cognition enhancing, anticancer chemotherapeutic, and chemopreventive activities. Perindopril is an angiotensin-converting enzyme (ACE) inhibitor that decreases blood pressure, vascular resistance, and vasoconstriction in animal models and in clinical settings. Perindopril also increases extracellular acetylcholine (ACh) and ameliorates cognitive impairment in animal models of vascular dementia and Alzheimer's disease. In other animal models, perindopril decreases activity of NF-κB and levels of AT1R, TGF-β1, PDGF-BB, laminin, and hyaluronic acid, decreasing hepatic fibrosis. Perindopril displays both pro-angiogenic and anti-angiogenic activities depending on the animal models. In diabetic animal models of hind limb ischemia, perindopril increases expression of eNOS, VEGF, bFGF and BO, increasing capillary density and post-ischemic revascularization. In animal models of hepatocellular carcinoma, this compound inhibits VEGF expression and tubule formation, preventing angiogenesis and tumor development.



Bulk quantities available upon request

Product ID **Size**

P1869 100 mg

P1869 250 mg

P1869 1 g

References Yamada K, Horita T, Takayama M, et al. Effect of a centrally active angiotensin converting enzyme inhibitor, perindopril, on cognitive performance in chronic cerebral hypo-perfusion rats. *Brain Res.* 2011 Nov 3;1421:110-20. PMID: 21981801.

Gao L, Yu DM. Molecular mechanism of limbs' postischemic revascularization improved by perindopril in diabetic rats. *Chin Med J (Engl).* 2008 Nov 5;121(21):2129-33. PMID: 19080171.

Li X, Meng Y, Yang XS, et al. ACEI attenuates the progression of CCl4-induced rat hepatic fibrogenesis by inhibiting TGF-beta1, PDGF-BB, NF-kappaB and MMP-2,9. *World J Gastroenterol.* 2005 Aug 21;11(31):4807-11. PMID: 16097048.

Yoshiji H, Kuriyama S, Kawata M, et al. The angiotensin-I-converting enzyme inhibitor perindopril suppresses tumor growth and angiogenesis: possible role of the vascular endothelial growth factor. *Clin Cancer Res.* 2001 Apr;7(4):1073-8. PMID: 11309359.

Richer C, Doussau MP, Giudicelli JF. Perindopril, a new converting enzyme inhibitor: systemic and regional hemodynamics and sympathoinhibitory effects in spontaneously hypertensive rats. *J Cardiovasc Pharmacol.* 1986 Mar-Apr;8(2):346-57. PMID: 2422474.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.