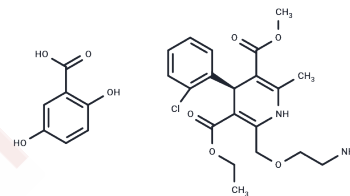


Levamlodipine gentisate

Chemical Properties

CAS No. :	856256-16-1
Formula:	C ₂₇ H ₃₁ ClN ₂ O ₉
Molecular Weight:	563
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Levamlodipine gentisate is a pharmacologically active enantiomer of amlodipine. Amlodipine is the dihydropyridine calcium channel blocker used as an antihypertensive and antianginal drug.
Targets(IC50)	Others, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7762 mL	8.881 mL	17.762 mL
5 mM	0.3552 mL	1.7762 mL	3.5524 mL
10 mM	0.1776 mL	0.8881 mL	1.7762 mL
50 mM	0.0355 mL	0.1776 mL	0.3552 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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- Yang YL, Yu LT, Wu ZT, Yu JG, Zhang JM, Chen QH, Bao YC, Liu JG. Synergic effects of levamlodipine and bisoprolol on blood pressure reduction and organ protection in spontaneously hypertensive rats. *CNS Neurosci Ther*. 2012 Jun;18(6):471-4. doi: 10.1111/j.1755-5949.2012.00323.x. PubMed PMID: 22672299.
- Gui H, Guo YF, Liu X, Zhang JM, Yang YL, Huang GZ, Liu JG. Effects of combination therapy with levamlodipine and bisoprolol on stroke in rats. *CNS Neurosci Ther*. 2013 Mar;19(3):178-82. doi: 10.1111/cns.12057. PubMed PMID: 23441690.
- Xiao WY, Ning N, Tan MH, Jiang XS, Zhou L, Liu L, Yi D, Wei P. Effects of antihypertensive drugs losartan and levamlodipine besylate on insulin resistance in patients with essential hypertension combined with isolated impaired fasting glucose. *Hypertens Res*. 2016 May;39(5):321-6. doi: 10.1038/hr.2015.155. Epub 2016 Jan 14. PubMed PMID: 26763851.

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