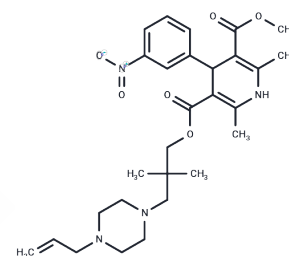


Iganidipine

Chemical Properties

CAS No. :	119687-33-1
Formula:	C ₂₈ H ₃₈ N ₄ O ₆
Molecular Weight:	526.62
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Iganidipine(NKY 722) is a new water-soluble Ca ²⁺ antagonist with antihypertensive activity for research and neurological related diseases.
Targets(IC50)	Calcium Channel
In vivo	After a single administration, Iganidipine (0.03% solution) significantly increases optic nerve head (ONH) tissue blood velocity (NBONH) by 8 to 10% in treated eyes (p<0.05). Additionally, following twice-daily administration for 7, 14, or 21 days in rabbits, it results in a significant increase of 18 to 35% in NBONH (p<0.05). In monkeys, after 7 days of twice-daily administration, both 0.03% and 0.1% Iganidipine significantly increase NBONH in treated eyes by 20% and 41%, respectively (p<0.05)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8989 mL	9.4945 mL	18.989 mL
5 mM	0.3798 mL	1.8989 mL	3.7978 mL
10 mM	0.1899 mL	0.9495 mL	1.8989 mL
50 mM	0.038 mL	0.1899 mL	0.3798 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

Ishii K, et al. Iganidipine, a new water-soluble Ca²⁺ antagonist: ocular and periocular penetration after instillation. Invest Ophthalmol Vis Sci. 2003 Mar;44(3):1169-77.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481