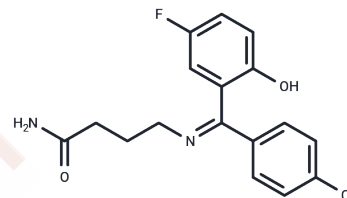


Progabide

Chemical Properties

CAS No. :	62666-20-0
Formula:	C ₁₇ H ₁₆ ClFN ₂ O ₂
Molecular Weight:	334.77
Storage:	Keep away from direct sunlight 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	Progabide (SL 76002) is an agonist of the gamma-aminobutyric acid receptor.
Targets(IC50)	GABA Receptor
In vivo	Progabide (50, 100 and 200 mg/kg) given IP to male Wistar rats enhance the plasma corticosterone levels by 244, 365, and 476% respectively (t=6.44 to12.55, p<0.01). Progabide (10 mg/kg) fails to change the concentration of corticosterone in plasma (t=0.76, N.S.). The increased plasma corticosterone level induced by administration of 200 mg/kg Progabide is evident 30 (t=2.625, p<0.05), 60 (t=13.13, p<0.001) and 120 min (t=4.07, p<0.01) after drug injection, but returns to the control value 240 min after drug injection (t=0.86, N.S.). Compare with the corresponding control, The greatest corticosterone rise is reached 60 min following the administration of Progabide[1].

Solubility Information

Solubility	DMSO: 250 mg/mL (746.78 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (29.87 mM),Suspension. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9871 mL	14.9356 mL	29.8713 mL
5 mM	0.5974 mL	2.9871 mL	5.9743 mL
10 mM	0.2987 mL	1.4936 mL	2.9871 mL
50 mM	0.0597 mL	0.2987 mL	0.5974 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

Manev H, et al. Progabide, a GABA mimetic drug, stimulates the secretion of plasma corticosterone in rats. *Pharmacol Biochem Behav.* 1987 Dec;28(4):443-6.

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