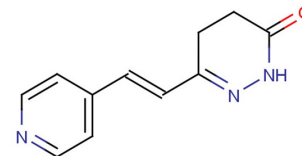


ICI 153110

Chemical Properties

CAS No.: 87164-90-7
Formula: C₁₁H₁₁N₃O
Molecular Weight: 201.22
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	ICI 153110 is an orally active phosphodiesterase inhibitor with both inotropic and vasodilating properties. It is designed for the treatment of congestive cardiac failure.
Targets(IC ₅₀)	Phosphodiesterase: None
In vivo	Fourteen animals have died as a direct or indirect consequence of ICI 153110 administration in the high-dose main test and reversibility groups. In the female rat dosed at 10 mg/kg/day ICI 153110, mild focal arteritis is characterized by a predominantly and diffusely adventitial infiltration of mixed cells and early formation of fibrous tissue. The two rats dosed at 250 mg/kg/day ICI 153110 die prematurely from intratracheal intubation of dosing solution. Arteries from two further animals (dosed at 5 and 250 mg/kg/day ICI 153110) show minimal focal arteritis with medial necrosis and medial and adventitial inflammation.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.97 mL	24.848 mL	49.697 mL
5 mM	0.994 mL	4.97 mL	9.939 mL
10 mM	0.497 mL	2.485 mL	4.97 mL
50 mM	0.099 mL	0.497 mL	0.994 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Westwood FR, et al. Pathologic changes in blood vessels following administration of an inotropic vasodilator (ICI 153,110) to the rat. Fundam Appl Toxicol. 1990 May;14(4):797-809.

Inhibitors · Natural Compounds · Compound Libraries

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