

Fenoldopam

Chemical Properties

CAS No.:	67227-56-9
Formula:	C ₁₆ H ₁₆ ClNO ₃
Molecular Weight:	305.76
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Fenoldopam is a selective D ₁ -like dopamine receptor partial agonist (EC ₅₀ = 57 nM).
In vitro	Fenoldopam is also α 2-adrenoceptor antagonist in vitro (K _i = 15 - 25 nM).
In vivo	Fenoldopam is a vasodilator in vivo and does not readily cross the blood-brain barrier.

Solubility Information

Solubility	DMSO: ≥ 15.29 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.271 mL	16.353 mL	32.705 mL
5 mM	0.654 mL	3.271 mL	6.541 mL
10 mM	0.327 mL	1.635 mL	3.271 mL
50 mM	0.065 mL	0.327 mL	0.654 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.

Inhibitors · Natural Compounds · Compound Libraries

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