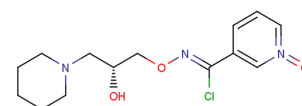


Arimoclomol

Chemical Properties

CAS No.:	289893-25-0
Formula:	C ₁₄ H ₂₀ ClN ₃ O ₃
Molecular Weight:	313.78
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Arimoclomol (BRX-220 free base) is a heat shock protein (HSP) co-inducer.
Targets(IC ₅₀)	HSP: None
In vivo	Arimoclomol, administered for 5 d, has a protective effect against CCK-induced acute pancreatitis. Repeated CCK treatment results in the typical laboratory and morphological changes of experimentally induced pancreatitis. The pancreatic levels of HSP60 and HSP72 are significantly increased in the animals treated with Arimoclomol [1]. Arimoclomol is a co-inducer of heat shock proteins for the potential treatment of amyotrophic lateral sclerosis (ALS), the most common form of motor neuron disease [2].

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	3.187 mL	15.935 mL	31.869 mL
5 mM	0.637 mL	3.187 mL	6.374 mL
10 mM	0.319 mL	1.593 mL	3.187 mL
50 mM	0.064 mL	0.319 mL	0.637 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. Rakonczay Z Jr, et al. Nontoxic heat shock protein coinducer BRX-220 protects against acute pancreatitis in rats. Free Radic Biol Med. 2002 Jun 15;32(12):1283-92.
2. Phukan J. Arimoclomol, a coinducer of heat shock proteins for the potential treatment of amyotrophic lateral sclerosis. IDrugs. 2010 Jul;13(7):482-96.

Inhibitors · Natural Compounds · Compound Libraries

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