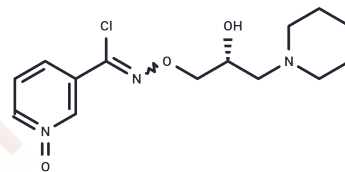


Arimoclomol

Chemical Properties

CAS No. :	289893-25-0
Formula:	C ₁₄ H ₂₀ ClN ₃ O ₃
Molecular Weight:	313.78
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Arimoclomol (BRX-220 free base), a co-inducer of heat shock proteins (HSP), is utilized in studies on the treatment of amyotrophic lateral sclerosis (ALS).
Targets(IC50)	HSP
In vivo	In male Wistar rats, Arimoclomol (20 mg/kg; gavage) protects cholecystokinin-octapeptide (CCK)-induced acute pancreatitis. The pancreatic levels of HSP60 and HSP72 are significantly increased[2].

Solubility Information

Solubility	DMSO: 150 mg/mL (478.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1869 mL	15.9347 mL	31.8695 mL
5 mM	0.6374 mL	3.1869 mL	6.3739 mL
10 mM	0.3187 mL	1.5935 mL	3.1869 mL
50 mM	0.0637 mL	0.3187 mL	0.6374 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

Phukan J. Arimoclomol, a coinducer of heat shock proteins for the potential treatment of amyotrophic lateral sclerosis. *IDrugs*. 2010 Jul;13(7):482-96.

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.

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