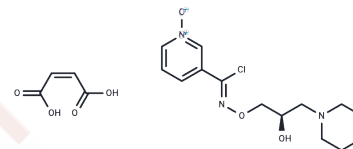


## Arimoclomol maleate

## Chemical Properties

CAS No. : 289893-26-1  
 Formula: C<sub>18</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>7</sub>  
 Molecular Weight: 429.85  
 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 maleate (BRX-220) (BRX-220) is a heat shock protein (HSP) co-inducer.
Targets(IC50)	HSP
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	DMSO: 145 mg/mL (337.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (11.63 mM),Sonication is recommended. <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

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	1mg	5mg	10mg
1 mM	2.3264 mL	11.632 mL	23.2639 mL
5 mM	0.4653 mL	2.3264 mL	4.6528 mL
10 mM	0.2326 mL	1.1632 mL	2.3264 mL
50 mM	0.0465 mL	0.2326 mL	0.4653 mL

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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

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.

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

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