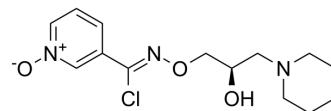


Arimoclomol

Cat. No.:	HY-106443
CAS No.:	289893-25-0
Molecular Formula:	C ₁₄ H ₂₀ ClN ₃ O ₃
Molecular Weight:	313.78
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Arimoclomol (BRX-220 free base) is a co-inducer of heat shock proteins (HSP) ^[1] . Arimoclomol protects motor neurons by enhancing Hsp expression, thus directly affecting protein aggregation and clearance of misfolded assemblies via the proteasome-ubiquitin system ^[2] .									
IC₅₀ & Target	HSP									
In Vivo	<p>Arimoclomol (BRX-220; 20 mg/kg; orally administered for 5 d) has a protective effect against cholecystokinin-octapeptide (CCK)-induced acute pancreatitis^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Wistar rats weighing 240 to 270 g^[1]</td> </tr> <tr> <td>Dosage:</td> <td>20 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Administered intragastrically, for 5 days</td> </tr> <tr> <td>Result:</td> <td>Had a protective effect against CCK-induced acute pancreatitis.</td> </tr> </table>		Animal Model:	Male Wistar rats weighing 240 to 270 g ^[1]	Dosage:	20 mg/kg	Administration:	Administered intragastrically, for 5 days	Result:	Had a protective effect against CCK-induced acute pancreatitis.
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CUSTOMER VALIDATION

- Exp Eye Res. 2019 Nov;188:107792.
- University of Graz. Institute of Pharmaceutical Science. 2021 Nov.

See more customer validations on www.MedChemExpress.com

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA