

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Eplerenone

Product overview

Name	Eplerenone
Cat No	HB2527
Alternative names	Inspra, Epoxymexrenone
Biological action	Antagonist
Purity	>99%
Description	Selective mineralcorticoid receptor antagonist

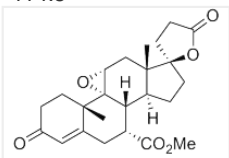
Biological Data

Biological description	Selective mineralcorticoid receptor antagonist ($IC_{50} = 990$ nM). Shows little to no effect at androgen, estrogen or progesterone receptors. Shows cardioprotective and anti-apoptotic effects.
-------------------------------	---

Solubility & Handling

Storage instructions	Room temperature
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at $-20^{\circ}C$ for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Important	Stable for ambient temperature shipping. Follow storage instructions on receipt. This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(7 α ,11 α ,17 α)-9,11-Epoxy-17-hydroxy-3-oxo-pregn-4-ene-7,21-dicarboxylic acid γ -lactone methyl ester
Molecular Weight	414.5
Chemical structure	
Molecular Formula	$C_{24}H_{30}O_6$
CAS Number	107724-20-9
PubChem identifier	443872
SMILES	<chem>O=C1CC[C@@]2(C)C(C[C@@H]1[C@](OC=O)[C@]3([H])[C@@](O6)2[C@H]6C[C@@]4(C)[C@]([H])3CC[C@@]54OC(CC5=O)=C1</chem>
InChiKey	JUKPWJGBANNWMW-VWBFHTRKSA-N

References

Recent studies with eplerenone, a novel selective aldosterone receptor antagonist.

McMahon EG (2001) Curr Opin Pharmacol 1(2)

PubMedID [11714095](#)

A new mode of mineralocorticoid receptor antagonism by a potent and selective nonsteroidal molecule.

Fagart J *et al* (2010) J Biol Chem 285(39)

PubMedID [20650892](#)

Eplerenone attenuated cardiac steatosis, apoptosis and diastolic dysfunction in experimental type-II diabetes.

Ramírez E *et al* (2013) Cardiovasc Diabetol 12

PubMedID [24261558](#)
