

## Product Data Sheet

Product Name: Allisartan isoproxil

Cat. No.: GC68638

### Chemical Properties

Cas. No. 947331-05-7

Formula  $C_{27}H_{29}ClN_6O_5$

M.Wt 553.01

Solubility DMSO : 100 mg/mL (180.83 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Allisartan isoproxil (ALS-3) is an orally potent, selective, non-peptide inhibitor of **Angiotensin II Type 1**. Allisartan isoproxil is also an antipertensive agent. Allisartan isoproxil may inhibit angiotensin-aldosterone system and oxidative stress. Allisartan isoproxil lowers blood pressure and protects the organs, preventing cerebrovascular damage. Allisartan isoproxil (80-320 mg/kg/d) has shown toxicity in rat models by targeting liver organs<sup>[1][2]</sup>.

Allisartan isoproxil   
 Allisartan isoproxil (20-80-320 mg/kg   
 Dawley <sup>[1]</sup>

Allisartan isoproxil (30mg /kg/  
 (RHR-SP) <sup>[2]</sup>

Animal Model: Femal and male Sprague-Dawley rats<sup>[1]</sup>

Dosage: 20, 80 and 320 mg/kg

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Administration:

Decreased body-weight gain at 320 mg/kg/day in both sexes as well as at the 80-mg/kg/day dose in females. Decreased erythrocyte parameters

### Result:

in males, and decreased heart weight and exacerbation of chronic progressive nephropat (CPN) severity in males at 80 and 320 mg/kg/day.

[1]. Liu Y, et al. A 26-week repeated-dose toxicity study of allisartan isoproxil in Sprague-Dawley rats. Drug Chem Toxicol. 2013 Oct;36(4):443-50.

[2]. Ling QS, et al. Allisartan isoproxil reduces mortality of stroke-prone rats and protects against cerebrovascular, cardiac, and aortic damage. Acta Pharmacol Sin. 2021 Jun;42(6):871-884.

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