

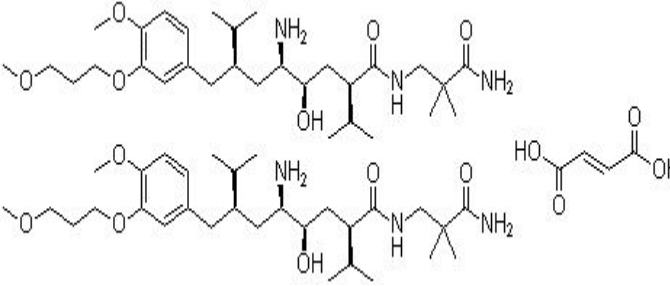


## Product Introduction

### Aliskiren Hemifumarate

Aliskiren hemifumarate is a direct **renin** inhibitor with **IC50** of 1.5 nM.

#### Technical Data:

<b>Molecular Weight (MW):</b>	609.83	
<b>Formula:</b>	C <sub>30</sub> H <sub>53</sub> N <sub>3</sub> O <sub>6</sub> .1/2C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	
<b>Solubility (25°C)</b> * <1 mg/ml means slightly soluble or insoluble:	DMSO 100 mg/mL	
	Water 100 mg/mL	
	Ethanol 100 mg/mL	
<b>Purity:</b>	>98%	
<b>Storage:</b>	3 years -20°C Powder 6 months-80°C in DMSO	
<b>CAS No.:</b>	173334-58-2	

#### Biological Activity

Aliskiren hemifumarate appears to bind to both the hydrophobic S1/S3-binding pocket and to a large, distinct subpocket that extends from the S3-binding site towards the hydrophobic core of renin. Oral bioavailability of Aliskiren hemifumarate is 2.4% in rats, 16% in marmosets and about 2.5% in humans. <sup>[2]</sup> Aliskiren hemifumarate (< 10 mg/kg, oral) inhibits plasma renin activity and lowers blood pressure in sodium-depleted marmosets. <sup>[3]</sup> Once-daily oral treatment with Aliskiren hemifumarate lowers blood pressure effectively, with a safety and tolerability profile, in patients with mild-to-moderate hypertension. <sup>[4]</sup>

Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.

## References

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