

## Aliskiren hemifumarate

Cat. No. CEI-0352

Lot. No. (See product label)

### Introduction

**Description** Aliskiren hemifumarate is a direct renin inhibitor with IC<sub>50</sub> of 1.5 nM. Aliskiren hemifumarate can 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.

### Product Information

**CAS No.** 173334-58-2

**Molecular Formula** 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>

**Chemical Name** (2S,4S,5S,7S)-7-(4-methoxy-3-(3-methoxypropoxy)benzyl)-5-amino-N-(3-amino-2,2-dimethyl-3-oxopropyl)-4-hydroxy-2-isopropyl-8-methylnonanamide hemifumarate

**Molecular Weight** 609.83

**Purity** >99%

**Targets** renin

**Solubility** DMSO 122 mg/mL, Water 122 mg/mL, Ethanol 122 mg/mL

### Storage and Shipping Information

**Storage** 2 years at -20centigrade Powder