

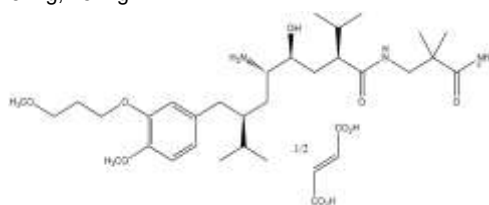
## Renin Inhibitor

**ALTERNATE NAME:** Aliskiren Hemifumarate; (2S,4S,5S,7S)-N-(2-Carbamoyl-2-methylpropyl)-5-amino-4-hydroxy-2,7-diisopropyl-8-[4-methoxy-3-(3-methoxypropoxy)phenyl]-octanamide hemifumarate

**CATALOG #:** 2084-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**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>

**MOLECULAR WEIGHT:** 609.79

**CAS NUMBER:** 173334-58-2

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (>100 mg/ml) or H<sub>2</sub>O (>100 mg/ml)

**PURITY:** ≥98%

**STORAGE:** Store at -20 °C. HYGROSCOPIC!

**DESCRIPTION:** A non-peptide, direct renin inhibitor (IC<sub>50</sub> = 0.6 nM for human renin) and an anti-hypertensive agent. Aliskiren confers neuronal resistance to Aβ toxicity in primary rat cortical cultures.

**REFERENCE:** Chen, S.D., *et al.* (2012). *Neurochem. Int.* May 17(Epub ahead of print)

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- Angiotensin II (**Cat. No. 4917-5**)
- ACE2 (human) ELISA Kit (**Cat. No. K4918-100**)
- Valsartan (**Cat. No. 2004-25, 100, 500**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**