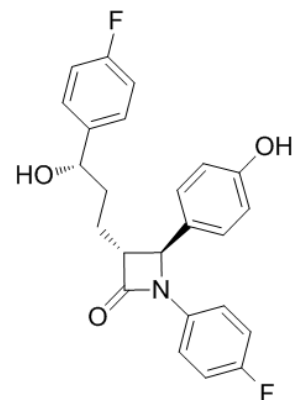


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<b>Product Name</b>	: Ezetimibe
<b>Cat. No.</b>	: PC-45198
<b>CAS No.</b>	: 163222-33-1
<b>Molecular Formula</b>	: C <sub>24</sub> H <sub>21</sub> F <sub>2</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	: 409.4252
<b>Target</b>	: Keap1-Nrf2
<b>Solubility</b>	: DMSO: ≥ 29 mg/mL



## Biological Activity

Ezetimibe is a potent Niemann-Pick C1-Like 1 (**NPC1L1**) cholesterol absorption receptor inhibitor that inhibits sterol absorption without affecting the absorption of other molecules.

Ezetimibe significantly reduces plasma levels of total and low density lipoprotein cholesterol (LDL-C) both in vitro and in vivo.

Ezetimibe also is a potent **Nrf2 activator** that protects mice from diet-induced nonalcoholic steatohepatitis. Ezetimibe increases autophagic flux, improves hepatic steatosis in obese and diabetic rats.

## References

Pirillo A, et al. *Curr Med Chem.* 2016;23(10):983-99.

Chang E, et al. *World J Gastroenterol.* 2015 Jul 7;21(25):7754-63.

Lee DH, et al. *Free Radic Biol Med.* 2016 Oct;99:520-532.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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