

# **CETP + spherical HDL + torcetrapib => CETP:spherical HDL:torcetrapib complex**

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## Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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## Literature references

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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 88

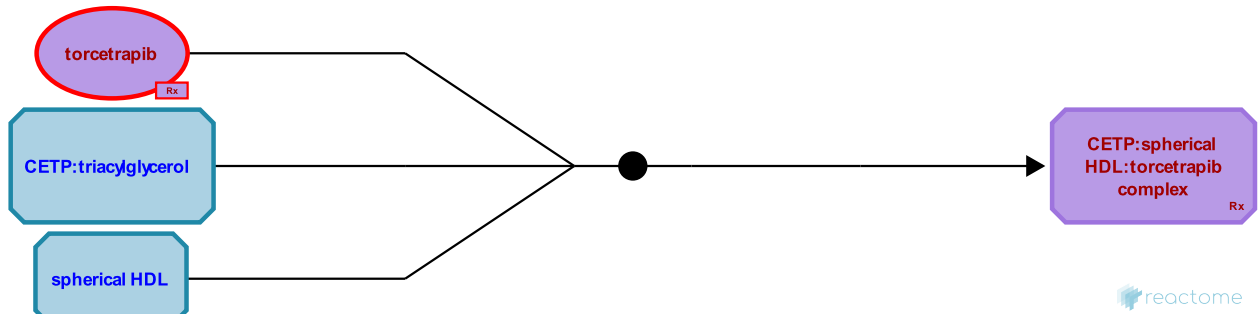
This document contains 1 reaction ([see Table of Contents](#))

## CETP + spherical HDL + torcetrapib => CETP:spherical HDL:torcetrapib complex ↗

**Stable identifier:** R-HSA-349404

**Type:** binding

**Compartments:** extracellular region



Torcetrapib associates with a molecule of CETP and a spherical HDL particle to form a stable complex, thus trapping CETP and inhibiting CETP-mediated lipid transfer between HDL and LDL (Clark et al. 2006). Torcetrapib was a drug developed to treat hypercholesterolemia and prevent cardiovascular disease but its development was stopped when phase III studies showed excessive all-cause mortality in the treatment group (Howes & Kostner 2007).

### Literature references

Cunningham, D., Clark, RW., Ruggeri, RB., Bamberger, MJ. (2006). Description of the torcetrapib series of cholesteryl ester transfer protein inhibitors, including mechanism of action. *J Lipid Res*, 47, 537-52. ↗

### Editions

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