

# COMT binds COMT Inhibitors

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30/04/2024

## 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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

## Literature references

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Reactome database release: 88

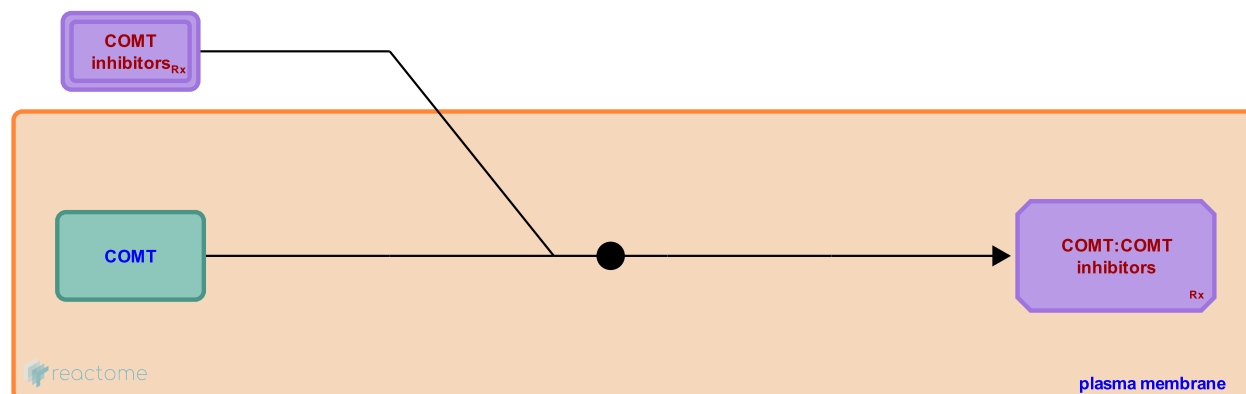
This document contains 1 reaction ([see Table of Contents](#))

## COMT binds COMT Inhibitors [↗](#)

**Stable identifier:** R-HSA-9679775

**Type:** binding

**Compartments:** plasma membrane, extracellular region



Catechol-O-methyltransferase (COMT) is one of several enzymes that degrade catecholamines (such as dopamine, epinephrine, and norepinephrine) and various substances having a catechol structure. COMT inhibitors such as entacapone, tolcapone and opicapone are used in the treatment of Parkinson's disease.

### Literature references

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### Editions

2020-03-25	Authored, Edited	Jassal, B.
2020-05-14	Reviewed	Shoichet, BK.