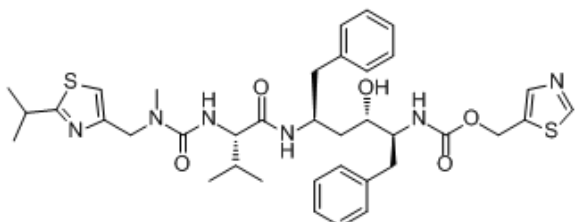


## Ritonavir

**Cat#: orb363866 (CoA)**



### Description:

Ritonavir is an inhibitor of HIV protease used to treat HIV infection and AIDS. Ritonavir is an inhibitor of HIV protease used to treat HIV infection and AIDS. It is now rarely used for its own antiviral activity, but remains widely used as a booster of other protease inhibitors. More specifically, ritonavir is used to inhibit a particular liver enzyme that normally metabolizes protease inhibitors, cytochrome P450-3A4 (CYP3A4). The drug's molecular structure inhibits CYP3A4, so a low dose can be used to enhance other protease inhibitors. This discovery has drastically reduced the adverse effects and improved the efficacy of PI's and HAART.

### Chemical Information

Catalog	orb363866
Batch	DC7758
Purity of current batch:	>98%
Molecular Weight (MW)	720.94
Molecular Formula	C <sub>37</sub> H <sub>48</sub> N <sub>6</sub> O <sub>5</sub> S <sub>2</sub>
CAS No.	155213-67-5
Solubility (25°C)	DMSO
Storage	Store at -20°C (desiccating conditions).

### Handling:

Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 24 months.

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

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