

## Product Datasheet

### Ritonavir-13C-d3 (orb2299932)

<b>Catalog Number</b>	orb2299932
<b>Category</b>	Small Molecules
<b>Description</b>	Ritonavir-13C-d3 is a stable isotope-labeled analog of Ritonavir (CAS 155213-67-5), a peptidomimetic HIV-1/2 protease inhibitor. It serves as an internal standard in LC-MS/MS for quantifying Ritonavir in pharmacokinetic studies, supporting both in vitro metabolism and in vivo drug interaction research.
<b>MW</b>	724.96
<b>Formula</b>	$^{13}\text{C}_{36}\text{D}_3\text{H}_{45}\text{N}_6\text{O}_5\text{S}_2$
<b>SMILES</b>	<chem>[2H][13C]([2H])([2H])N(CC1=CSC(=N1)C(C)C)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](CC2=CC=CC=C2)C[C@@H]([C@H](CC3=CC=CC=C3)NC(=O)OCC4=CN=CS4)O</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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