

## Product Datasheet

### S1R agonist 2 (orb1745159)

<b>Catalog Number</b>	orb1745159
<b>Category</b>	Small Molecules
<b>Description</b>	S1R agonist 2 is a potent and selective sigma-1 receptor agonist, exhibiting high affinity for S1R (K <sub>i</sub> = 1.1 nM) over S2R. It demonstrates neuroprotective properties in vitro against oxidative stress and excitotoxicity, making it a valuable research tool for studying neurodegenerative diseases and neuropharmacology.
<b>Target</b>	NMDAR,Sigma receptor,ROS
<b>Purity</b>	98.85% (May vary between batches)
<b>MW</b>	309.45
<b>Target Areas</b>	Sigma receptor NMDAR ROS
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.46 mM);DMSO:50 mg/mL (161.58 mM)
<b>CAS Number</b>	150085-21-5
<b>Formula</b>	C <sub>21</sub> H <sub>27</sub> NO
<b>SMILES</b>	C(C1CCN(CCCOC2=CC=CC=C2)CC1)C3=CC=CC=C3
<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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