

## Product Datasheet

### BAR501 (orb1303181)

<b>Catalog Number</b>	orb1303181
<b>Category</b>	Small Molecules
<b>Description</b>	BAR501 is a potent and selective agonist for the GPBAR1 receptor, exhibiting an EC <sub>50</sub> of 1 μM. This small molecule is a valuable research tool for investigating GPBAR1's role in metabolic and inflammatory pathways, applicable in both in vitro and in vivo experimental models.
<b>Target</b>	GPCR19
<b>Purity</b>	99.29% (May vary between batches)
<b>MW</b>	406.64
<b>Target Areas</b>	GPCR19
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.92 mM);DMSO:50 mg/mL (122.96 mM)
<b>CAS Number</b>	1632118-69-4
<b>Formula</b>	C <sub>26</sub> H <sub>46</sub> O <sub>3</sub>
<b>SMILES</b>	<chem>CC[C@@H]1[C@H](O)[C@H]2[C@@H]3CC[C@H]([C@H](C)CCCO)[C@@]3(C)CC[C@@H]2[C@@]2(C)CC[C@@H](O)C[C@@H]12</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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