

## Product Datasheet

### ORP-101 (orb1739336)

<b>Catalog Number</b>	orb1739336
<b>Category</b>	Small Molecules
<b>Description</b>	ORP-101 is a novel small molecule engineered as a stable, high molecular weight compound. It functions as a partial $\mu$ -opioid receptor agonist and a full $\kappa$ -opioid receptor antagonist. This pharmacological profile makes it a valuable research tool for investigating pain mechanisms and addiction-related behaviors in both in vitro and in vivo studies.
<b>Target</b>	Others
<b>MW</b>	961.32
<b>CAS Number</b>	1820753-68-1
<b>Formula</b>	$C_{60}H_{84}N_2O_8$
<b>SMILES</b>	<chem>O(C)[C@@]12[C@]3([C@]45[C@@]([C@](N(CC6CC6)CC4)(CC7=C5C(O3)=C(OCCOC8=C9C=%10[C@@]%11%12[C@@](O9)([C@]%13(OC)[C@@]([C@]([C@](C)(C)C)(C)O)(C[C@@]%11([C@@](CC%10C=C8)(N(CC%14CC%14)CC%12)[H])CC%13)[H])[H])C=C7)[H])(C[C@@]1([C@]([C@](C)(C)C)(C)O)[H])CC2)[H]</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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