

## Product Datasheet

### Treprostinil Sodium (orb1302030)

<b>Catalog Number</b>	orb1302030
<b>Category</b>	Small Molecules
<b>Description</b>	Treprostinil Sodium (UT-15) is a potent agonist targeting the DP1, IP, and EP2 prostanoid receptors with EC50 values of 0.6, 1.9, and 6.2 nM, respectively. It is widely used in research on pulmonary arterial hypertension, vascular biology, and smooth muscle function in both in vitro and in vivo experimental models.
<b>Target</b>	c-RET, Prostaglandin Receptor, VEGFR
<b>Purity</b>	>99.99% (May vary between batches)
<b>MW</b>	412.5
<b>Target Areas</b>	c-RET VEGFR Prostaglandin Receptor
<b>Solubility (25°C)</b>	DMSO:25 mg/mL (60.61 mM); 10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.85 mM)
<b>CAS Number</b>	289480-64-4
<b>Formula</b>	C <sub>23</sub> H <sub>33</sub> NaO <sub>5</sub>
<b>SMILES</b>	[Na+].CCCCC[C@H](O)CC[C@H]1[C@H](O)C[C@@H]2Cc3c(C[C@H]12)cccc3OCC([O-])=O
<b>Storage</b>	store at low temperature   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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