

## Product Datasheet

### dNTP Mix dUTP - Solution (orb63286)

<b>Description</b>	dNTP Mix incl. dUTP is an mixture of 10 mM ultrapure dATP, dCTP, and dGTP, and 20 mM dUTP supplied a...
<b>Form/Appearance</b>	clear aqueous solution; pH: 8.5 ± 0.2 (22 °C)
<b>Storage</b>	store at -20 °C
<b>Note</b>	For research use only
<b>Formula</b>	dATP: C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>12</sub> P <sub>3</sub> ; dCTP: C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>13</sub> P <sub>3</sub> ; dGTP: C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub> ; dUTP: C <sub>9</sub> H <sub>15</sub> N <sub>2</sub> O <sub>14</sub> P <sub>3</sub>
<b>Purity</b>	≥ 99% (HPLC)
<b>MW</b>	Theoretical MW: dATP: 491.18 g/mol (free acid), dCTP: 467.15 g/mol (free acid), dGTP: 507.18 g/mol (free acid), dUTP: 468.14 g/mol (free acid)
<b>SMILES</b>	<chem>O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](n2cn c3c(N)ncnc23)C1.Nc1ccn(c(=O)n1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1.Nc1[nH]c(=O)c2ncn(c2n1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C1.O=c1ccn(c(=O)[ nH]1)[C@@H]1O[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O) C1</chem>
<b>Expiration Date</b>	12 months from date of receipt.