

## Product Datasheet

### 5-Propargylamino-dCTP (6-FAM) (orb64909)

<b>Description</b>	5-Propargylamino-dCTP conjugated to 6-FAM.
<b>Form/Appearance</b>	solution in water; Color: yellow; pH: 7.5 ± 0.5
<b>Concentration</b>	1.0 mM-1.1 mM
<b>Storage</b>	store at -20 °C
<b>Note</b>	For research use only
<b>Application notes</b>	<b>Spectroscopic Propertie:</b> $\lambda_{exc}$ 492 nm, $\lambda_{em}$ 517 nm, $\epsilon$ 83.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>33</sub> H <sub>29</sub> N <sub>4</sub> O <sub>19</sub> P <sub>3</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 878.53 g/mol (free acid); Detected MW: 878.06 g/mol (free acid)
<b>SMILES</b>	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c1)C#CCNC(=O)c1ccc(c1)c1c2ccc(=O)cc2oc2c1ccc(O)c2)C(=O)N)O
<b>Expiration Date</b>	12 months from date of receipt.