

Certificate of Analysis



SILANTES GmbH, Gollierstraße 70 C // 4, 80339 München, Germany

Product Name:	Set of 4 dNTPs ¹⁵N labeled (4 x 10 mg) ¹⁵ N labeled Deoxyribonucleoside 5'-triphosphates (Li ₂ -salt) 90 mM – 100 mM; 5 mM TrisHCl pH 7.5
Product Number:	120306100
Lot Number:	
Storage:	below –20°C

Silantes GmbH certifies that this material does conform to the specifications stated below:

TEST	SPECIFICATION	LOT RESULTS
APPEARANCE	TRANSPARENT	CONFORMS
PURITY	> 90% BY HPLC ASSAYS	CONFORMS
ISOTOPE ENRICHMENT	> 98%	CONFORMS
Amount	4 x 10 mg	CONFORMS
Concentration	90 mM – 100 mM	CONFORMS
Content	¹⁵ N labeled dATP (10 mg) ¹⁵ N labeled dCTP (10 mg) ¹⁵ N labeled dGTP (10 mg) ¹⁵ N labeled dTTP (10 mg)	Lot: dATP-N-0902-1 Lot: 120XXN-dCTP-803-01 Lot: 120XXN-dGTP-803-01 Lot: dTTP-N-0208-1

QC ACCEPTANCE DATE	5.12.2018
Authorized Signature:	Anastasia Rogozina

This Product Is For Laboratory Use Only

Silantes GmbH manufactures highly pure research compounds which are produced for research applications only. Persons intending to use these products for other applications do so at their own responsibility and must comply with all appropriate regulations. Local regulatory authorities should be consulted.

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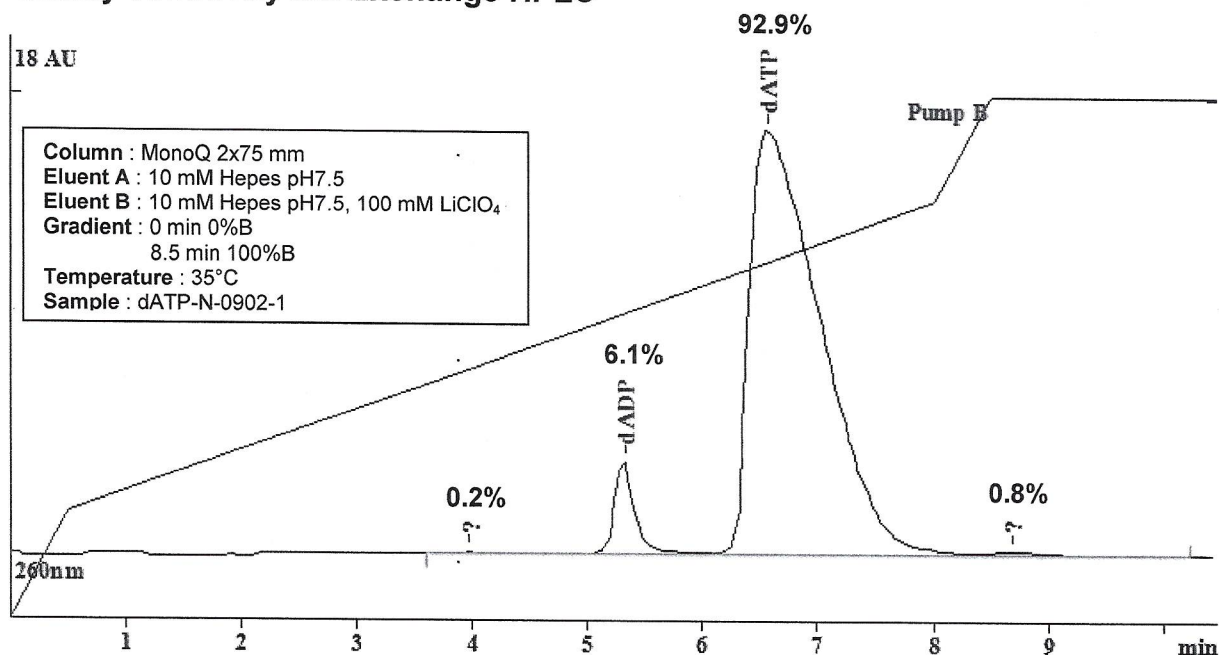
Product Name:	dATP ¹⁵N labeled (10 mg) ¹⁵ N labeled Deoxyadenosine 5'-triphosphate (Li ₂ -salt) 100 mM; 5 mM TrisHCl pH 7.5
Product Number:	120303601
Lot Number:	dATP-N-0902-1
Storage:	below -20°C

Silantes GmbH certifies that this material does conform to the specifications stated below:

TEST	SPECIFICATION	LOT RESULTS
APPEARANCE	TRANSPARENT	CONFORMS
PURITY	> 90% BY HPLC ASSAYS	92.9%
ISOTOPE ENRICHMENT	> 98%	CONFORMS
Concentration	100 mM, 50.8 mg/ml	CONFORMS
Amount	10 mg, 197 µl	CONFORMS
E ₂₅₉	15.4•10 ³ M ⁻¹ •cm ⁻¹	
Molecular weight	508.1 g/mole	

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Quality control by Ion Exchange HPLC



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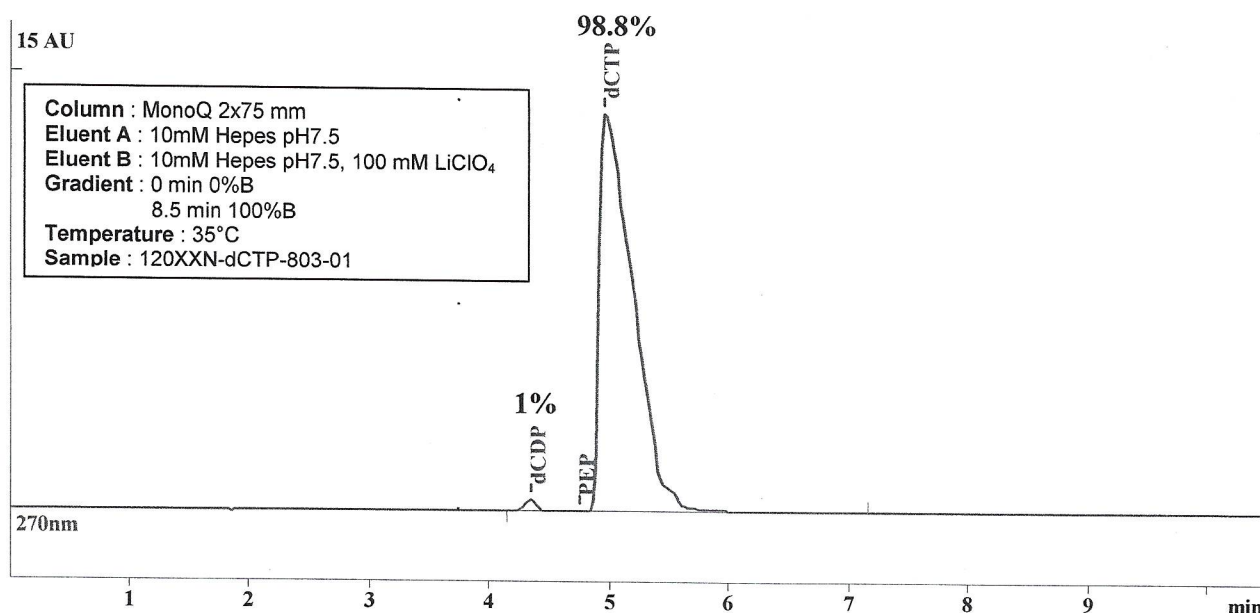
Product Name:	dCTP ¹⁵N labeled (10 mg) ¹⁵ N labeled Deoxycytidine 5'-triphosphate (Li ₂ -salt) 100 mM; 5 mM TrisHCl pH 7.5
Product Number:	120303602
Lot Number:	120XXN-dCTP-803-01
Storage:	below -20°C

Silantes GmbH certifies that this material does conform to the specifications stated below:

TEST	SPECIFICATION	LOT RESULTS
APPEARANCE	TRANSPARENT	CONFORMS
PURITY	> 90% BY HPLC ASSAYS	98.8%
ISOTOPE ENRICHMENT	> 98%	CONFORMS
Concentration	100 mM, 48.2 mg/ml	CONFORMS
Amount	10 mg, 207 µl	CONFORMS
E ₂₇₂	9.1•10 ³ M ⁻¹ •cm ⁻¹	
Molecular weight	482 g/mole	

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Quality control by Ion Exchange HPLC



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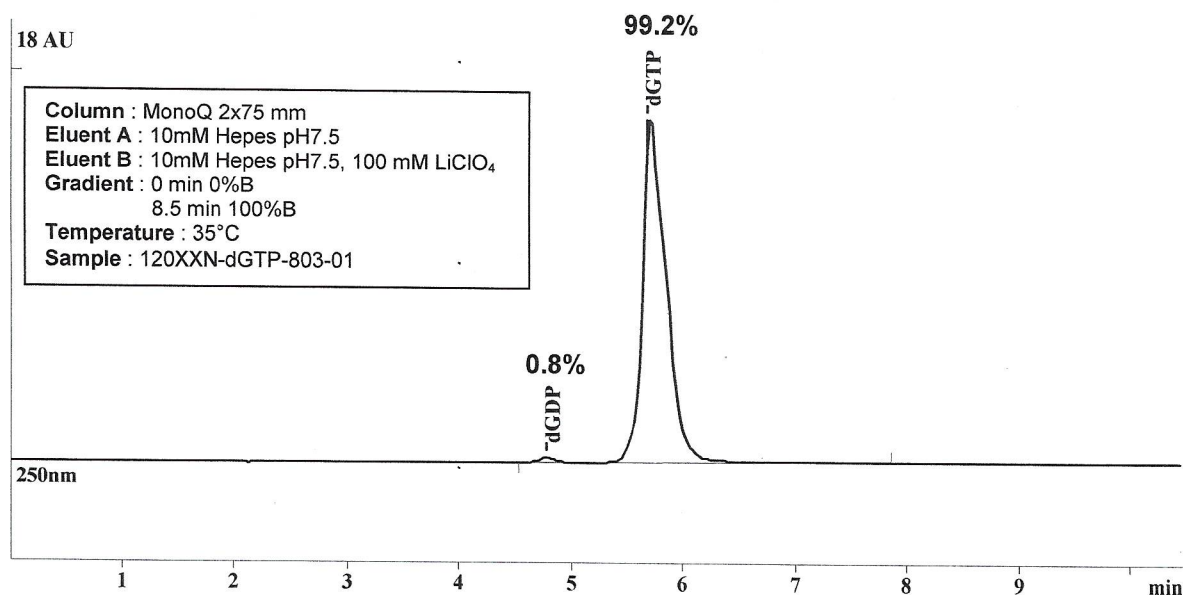
Product Name:	dGTP ¹⁵N labeled (10 mg) ¹⁵ N labeled Deoxyguanosine 5'-triphosphate (Li ₂ -salt) 90 mM; 5 mM TrisHCl pH 7.5
Product Number:	120303603
Lot Number:	120XXN-dGTP-803-01
Storage:	below -20°C

Silantes GmbH certifies that this material does conform to the specifications stated below:

TEST	SPECIFICATION	LOT RESULTS
APPEARANCE	TRANSPARENT	CONFORMS
PURITY	> 90% BY HPLC ASSAYS	99.2%
ISOTOPE ENRICHMENT	> 98%	CONFORMS
Amount	10 mg, 212 µl	CONFORMS
Concentration	90 mM, 47.17 mg/ml	CONFORMS
E ₂₅₃	13.7•10 ³ M ⁻¹ • cm ⁻¹	
Molecular weight	524.1 g/mole	

QC ACCEPTANCE DATE	5.12.2018
Authorized Signature:	Anastasia Rogozina

Quality control by Ion Exchange HPLC



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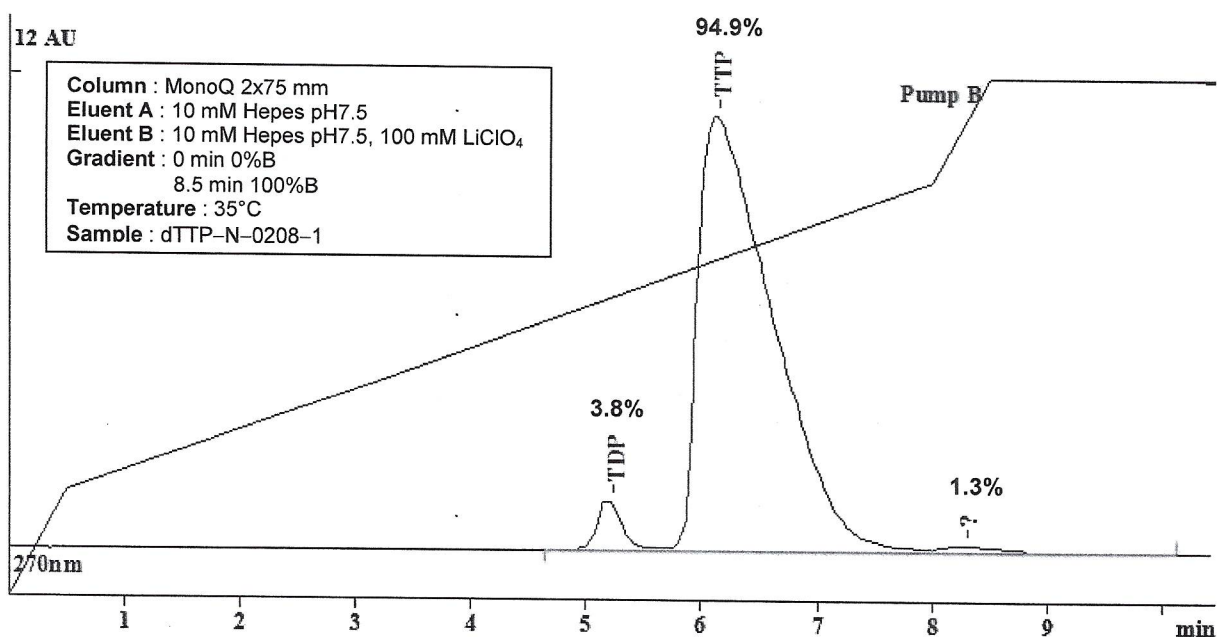
Product Name:	dTTP ¹⁵N labeled (10 mg) ¹⁵ N labeled Thymidine 5'-triphosphate (Li ₂ -salt) 100 mM; 5 mM TrisHCl pH 7.5
Product Number:	120303604
Lot Number:	dTTP-N-0208-1
Storage:	below -20°C

Silantes GmbH certifies that this material does conform to the specifications stated below:

TEST	SPECIFICATION	LOT RESULTS
APPEARANCE	TRANSPARENT	CONFORMS
PURITY	> 90% BY HPLC ASSAYS	94.9%
ISOTOPE ENRICHMENT	> 98%	CONFORMS
Concentration	100 mM, 49.6 mg/ml	CONFORMS
Amount	10 mg, 202 µl	CONFORMS
E ₂₆₇	9.6•10 ³ M ⁻¹ •cm ⁻¹	
Molecular weight	496 g/mole	

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Quality control by Ion Exchange HPLC



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