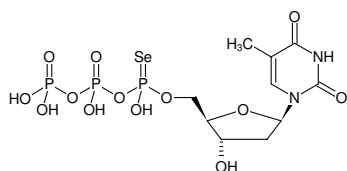


**dTTPαSe**

2'-Deoxythymidine-5'-(α-seleno)-triphosphate, Sodium salt (Mixture of Rp and Sp isomers)

Cat. No.	Amount
NU-270S	10 µl (100 mM)
NU-270L	5 x 10 µl (100 mM)

**Applications:**Nick Translation with Taq Polymerase in-house data**Selected References:**Hu *et al.* (2019) Synthesis of Selenium-Triphosphates (dTTPαSe) for More Specific DNA Polymerization. *Angew. Chem. Int. Ed.* **58** (23):7835.

Structural formula of dTTPαSe

**For general laboratory use.****Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery.

**Shelf Life:** 12 months after date of delivery**Molecular Formula:** C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>13</sub>P<sub>3</sub>Se (free acid)**Molecular Weight:** 545.14 g/mol (free acid)**Exact Mass:** 545.91 g/mol (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 100 mM - 110 mM**pH:** 7.5 ±0.5**Spectroscopic Properties:** λ<sub>max</sub> 267 nm, ε 9.6 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)