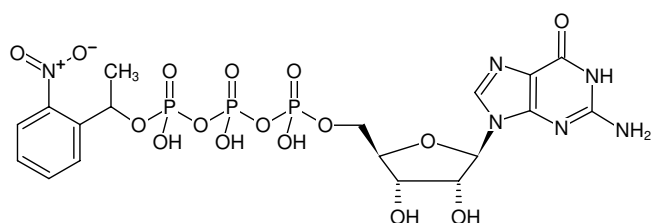




## NPE-caged-GTP

Guanosine-5'-triphosphate, P<sup>3</sup>-(1-(2-nitrophenyl)-ethyl)-ester, Sodium salt

Cat. No.	Amount
NU-302S	100 µl (10 mM)
NU-302L	5 x 100 µl (10 mM)



Structural formula of NPE-caged-GTP

### For general laboratory use.

**Shipping:** shipped on gel packs

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** store dark

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 12 months after date of delivery

**Molecular Formula:** C<sub>18</sub>H<sub>23</sub>N<sub>6</sub>O<sub>16</sub>P<sub>3</sub> (free acid)

**Molecular Weight:** 672.33 g/mol (free acid)

**Exact Mass:** 672.04 g/mol (free acid)

**CAS#:** 124830-99-5

**Purity:** ≥ 95 % (HPLC)

**Form:** solution in water

**Color:** colorless to slightly yellow

**Concentration:** 10 mM - 11 mM

**pH:** 7.5 ±0.5

**Spectroscopic Properties:** λ<sub>max</sub> 254 nm, ε 16.4 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)

### Applications:

Binding to GTPase activating protein<sup>[1]</sup>

FTIR spectroscopy<sup>[1, 2]</sup>

Mechanism of GTPase<sup>[2]</sup>

Enzyme kinetic studies with Ras<sup>[3]</sup>

### Selected References:

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