GTP$\gamma$S
Guanosine-5′-(\(\gamma\)-thio)-triphosphate, Lithium salt

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>NU-412-10</td>
<td>10 mg</td>
</tr>
<tr>
<td>NU-412-20</td>
<td>20 mg</td>
</tr>
</tbody>
</table>

Molecular Formula: $C_{10}H_{16}N_{5}O_{13}P_{3}S$ (free acid)

Molecular Weight: 539.24 g/mol (free acid)

Purity: > 90 % (HPLC)

Spectroscopic Properties:
$\lambda_{\text{max}}$ 252 nm; $\epsilon$ 13700

Storage conditions:
Short term exposure (up to 1 week cumulative) to ambient temperature possible. Long term storage at < -20°C. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 6 months after date of delivery.

For research use only!

Please note:
For reasons of stability, please make sure that the pH value of a solution of this product never drops below 7.0. This can be achieved by dissolving the nucleotide in a buffer of your choice (50 - 100 mM, pH 7 - 10). Dissolve and adjust concentration photometrically.

Applications:
Functional assay for GPCRs\[1, 2]\ Binding assay\[3]\ Specific Ligands:
Heterotrimeric and monomeric G-proteins\[4]\ Phosphodiesterase PDE-6\[5]\ Selected References:
**GTP\(\gamma\)S**

Guanosine-5’-(\(\gamma\)-thio)-triphosphate, Lithium salt


Schwemmle et al. (1994) The interferon-induced 67-kDa Guanylate-binding protein (HGbp1) is a GTPase that converts GTP to GMP. *J. Biol. Chem.* **269** (15):11299.