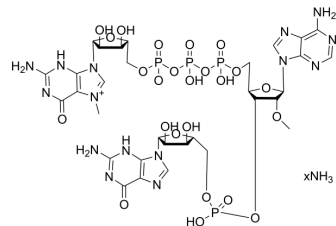


## m7GpppAmpG ammonium

**Cat. No.:** HY-145974A  
**Molecular Formula:** C<sub>32</sub>H<sub>43</sub>N<sub>15</sub>O<sub>24</sub>P<sub>4</sub>·xNH<sub>3</sub>  
**Target:** DNA/RNA Synthesis  
**Pathway:** Cell Cycle/DNA Damage  
**Storage:** Solution, -20°C, 2 years



### BIOLOGICAL ACTIVITY

#### Description

m7GpppAmpG ammonium is a trinucleotide 5' cap analog with the capping efficiencies for the obtained RNAs of 90%<sup>[1]</sup>.

### REFERENCES

[1]. Sikorski PJ, Warminski M, Kubacka D, et al. The identity and methylation status of the first transcribed nucleotide in eukaryotic mRNA 5' cap modulates protein expression in living cells. *Nucleic Acids Res.* 2020;48(4):1607-1626.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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