



## GpppA [100mM]

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Cap analogs can be used to initiate transcription, which eliminates the need for an additional enzymatic capping step. Capped mRNA molecules are translated more efficiently in in-vitro translation systems than uncapped mRNAs.

GpppA (Guanosine 5'-triphosphate-5'-adenosine) is a unmethylated cap analog used for in-vitro RNA transcription to improve RNA stability and significantly enhance translation.

CAS No.: 10527-47-6

Mol. Formula: C<sub>20</sub>H<sub>27</sub>N<sub>10</sub>O<sub>17</sub>P<sub>3</sub>

Mol. Weight: 772.41

Purity: >95% (HPLC); >98% (31P NMR)

This product is produced by GMP process requirements while using Animal Origin Free (AOF) production process and raw materials (TSE & BSE).

Synonyms: GP3A; G(5')ppp(5')A; Guanosine 5'-triphosphate-5'-adenosine

Catalog No.	56150001
Size	1mL / 5mL
Product Category	mRNA Raw Material