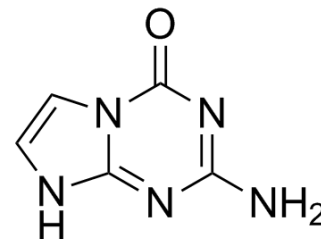


## 5-Aza-7-deazaguanine

Cat. No.:	HY-111627
CAS No.:	67410-64-4
Molecular Formula:	C <sub>5</sub> H <sub>5</sub> N <sub>5</sub> O
Molecular Weight:	151.13
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	5-Aza-7-deazaguanine is a substrate for wild-type (WT) E. coli purine nucleoside phosphorylase and its Ser90Ala mutant in the synthesis of base-modified nucleosides <sup>[1]</sup> .
IC <sub>50</sub> & Target	Purine nucleoside phosphorylase, Nucleoside Antimetabolite/Analog <sup>[1]</sup>

### REFERENCES

[1]. Fateev IV, et al. Recognition of Artificial Nucleobases by E. coli Purine Nucleoside Phosphorylase versus its Ser90Ala Mutant in the Synthesis of Base-Modified Nucleosides. Chemistry. 2015 Sep 14;21(38):13401-19.

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

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