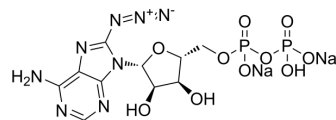


8-Azido-ADP disodium

| | |
|---------------------------|---|
| Cat. No.: | HY-134318B |
| CAS No.: | 102185-14-8 |
| Molecular Formula: | C ₁₀ H ₁₂ N ₈ Na ₂ O ₁₀ P ₂ |
| Molecular Weight: | 512.18 |
| Target: | DNA/RNA Synthesis |
| Pathway: | Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | 8-Azido-ADP (disodium) is a covalent-binding inhibitor of mitochondrial adenine nucleotide translocation. 8-Azido-ADP (disodium) causes irreversible inhibition of adenine nucleotide exchange in a light-dependent reaction. 8-Azido-ADP (disodium) inhibits the normal state 4 → 3 transitions of mitochondrial respiration induced by ADP ^[1] . 8-Azido-ADP (disodium) is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups. |
| IC₅₀ & Target | Adenine nucleotide ^[1] |

REFERENCES

[1]. SchHafer G, et al. 8-azido-ADP, a covalent-binding inhibitor of mitochondrial adenine nucleotide translocation. FEBS Lett. 1976 Apr 15;64(1):185-9.

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

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