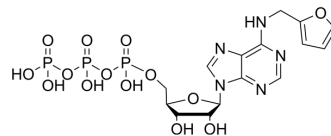


## Kinetin triphosphate

Cat. No.:	HY-134398
CAS No.:	1450894-16-2
Molecular Formula:	C <sub>15</sub> H <sub>20</sub> N <sub>5</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	587.27
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Kinetin triphosphate(6-Fu-ATP; KTP) is an ATP analogue that regulates or enhances kinase function with higher catalytic efficiency than its endogenous substrate, ATP. Kinetin triphosphate can be used in Parkinson's disease research <sup>[1]</sup> .
<b>In Vitro</b>	Kinetin triphosphate can act as a phosphate donor for PINK1 to recognize the T257 autophosphorylation site, and can restore the catalytic activity of PINK1 G309D to close to WT levels in HeLa cells in vitro <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Nicholas T Hertz, et al. A neo-substrate that amplifies catalytic activity of parkinson's-disease-related kinase PINK1. Cell. 2013 Aug 15;154(4):737-47.

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

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