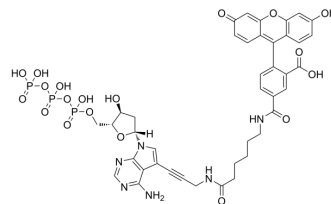


## Fluorescein-12-dATP

Cat. No.:	HY-D1721
Molecular Formula:	C <sub>41</sub> H <sub>41</sub> N <sub>6</sub> O <sub>19</sub> P <sub>3</sub>
Molecular Weight:	1014.71
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Fluorescein-12-dATP is a fluorescent dye acting as the detection probe. Fluorescein-12-dATP can be used to label the thrombin-binding aptamers by catalytic polymerization of TdT (terminal deoxynucleotidyl transferase)<sup>[1]</sup>. Fluorescein-12-dATP is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Wen D, et al. Highly sensitive fluorometric determination of thrombin by on-chip signal amplification initiated by terminal deoxynucleotidyl transferase. *Mikrochim Acta*. 2018 Jul 19;185(8):380.

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

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