

## 2PyG

## Chemical Properties

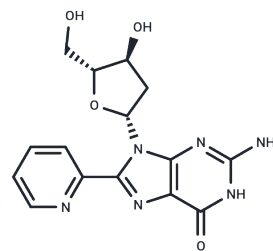
CAS No. :

Formula: C<sub>15</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub>

Molecular Weight: 344.33

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2PyG is a highly fluorescent guanosine mimic for folding and energy transfer studies.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9042 mL	14.521 mL	29.0419 mL
5 mM	0.5808 mL	2.9042 mL	5.8084 mL
10 mM	0.2904 mL	1.4521 mL	2.9042 mL
50 mM	0.0581 mL	0.2904 mL	0.5808 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Dumas A, Luedtke NW. Fluorescence properties of 8-(2-pyridyl)guanine "2PyG" as compared to 2-aminopurine in DNA. *Chembiochem*. 2011 Sep 5;12(13):2044-51. doi: 10.1002/cbic.201100214. Epub 2011 Jul 22. PubMed PMID: 21786378.

Dumas A, Luedtke NW. Highly fluorescent guanosine mimics for folding and energy transfer studies. *Nucleic Acids Res*. 2011 Aug;39(15):6825-34. doi: 10.1093/nar/gkr281. Epub 2011 May 6. PubMed PMID: 21551219; PubMed Central PMCID: PMC3159459.

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