

A12B4C3

## Chemical Properties

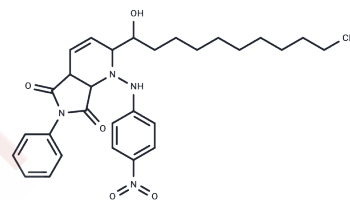
CAS No. : 1005129-80-5

Formula: C<sub>30</sub>H<sub>38</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight: 534.65

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	A12B4C3 is a selective inhibitor of hPNKP phosphatase.
Targets(IC50)	Others,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8704 mL	9.3519 mL	18.7038 mL
5 mM	0.3741 mL	1.8704 mL	3.7408 mL
10 mM	0.187 mL	0.9352 mL	1.8704 mL
50 mM	0.0374 mL	0.187 mL	0.3741 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

Hall DG, Rybak T, Verdelet T. Multicomponent Hetero-[4 + 2] Cycloaddition/Allylboration Reaction: From Natural Product Synthesis to Drug Discovery. *Acc Chem Res.* 2016 Nov 15;49(11):2489-2500. Epub 2016 Oct 18. PubMed PMID: 27753496.

Zereshkian A, Leyton JV, Cai Z, Bergstrom D, Weinfeld M, Reilly RM. The human polynucleotide kinase/phosphatase (hPNKP) inhibitor A12B4C3 radiosensitizes human myeloid leukemia cells to Auger electron-emitting anti-CD123 <sup>111</sup>In-NLS-7G3 radioimmunoconjugates. *Nucl Med Biol.* 2014 May-Jun;41(5):377-83. doi: 10.1016/j.nucmedbio.2014.02.003. Epub 2014 Feb 14. PubMed PMID: 24637100.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481