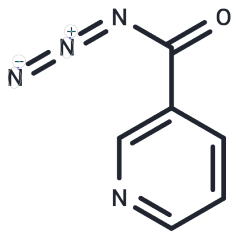
Data Sheet (Cat.No.T24533)

TargetMol

Nicotinoyl azide

Chemical Properties



CAS No. : 4013-72-3

Formula: C6H4N4O

Molecular Weight: 148.12

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	Nicotinoyl azide (N-Az) is a probe of light-activated chemical. It has been used to measure the solvent accessibility of purine nucleobases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (371.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (6.75 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7513 mL	33.7564 mL	67.5128 mL
5 mM	1.3503 mL	6.7513 mL	13.5026 mL
10 mM	0.6751 mL	3.3756 mL	6.7513 mL
50 mM	0.135 mL	0.6751 mL	1.3503 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

Feng C, Chan D, Joseph J, Muuronen M, Coldren WH, Dai N, Corrêa IR Jr, Furche F, Hadad CM, Spitale RC. Light-activated chemical probing of nucleobase solvent accessibility inside cells. Nat Chem Biol. 2018 Mar;14(3):276-283. doi: 10.1038/nchembio.2548. Epub 2018 Jan 15. Erratum in: Nat Chem Biol. 2018 Feb 14;14 (3):325. PubMed PMID: 29334380.

Tan W, Li Q, Gao Z, Qiu S, Dong F, Guo Z. Design, synthesis of novel starch derivative bearing 1,2,3-triazolium and pyridinium and evaluation of its antifungal activity. Carbohydr Polym. 2017 Feb 10;157:236-243. doi: 10.1016/j.carbpol.2016.09.093. Epub 2016 Oct 1. PubMed PMID: 27987923.

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