Nicotinoyl azide

Cat. No.: HY-W192446

CAS No.: 4013-72-3

Molecular Formula: $C_6H_4N_4O$

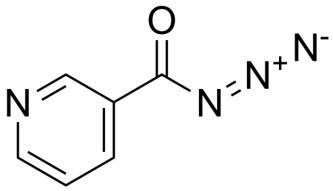
Molecular Weight: 148.12

Target: Others

Pathway: Others

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (67.51 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1 mg/mL (6.75 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1 mg/mL (6.75 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1 mg/mL (6.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nicotinoyl azide is capable of forming high energy intermediates known to form C-8 adducts with adenosine and guanosine [1].

REFERENCES

[1]. Chao Feng, et al. Light-activated chemical probing of nucleobase solvent accessibility inside cells. Nat Chem Biol. 2018 Mar;14(3):276-283.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA