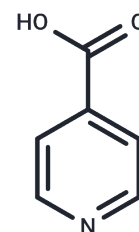


Isonicotinic acid

Chemical Properties

CAS No. :	55-22-1
Formula:	C ₆ H ₅ NO ₂
Molecular Weight:	123.11
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Isonicotinic acid is a metabolite of Isoniazid. Isonicotinic acid is a useful isomer of nicotinic acid. Isoniazid is converted to Isonicotinic acid by hydrazinolysis, with the biotransformation also to be catalyzed by cytochrome P450 enzymes, such as CYP2C.
Targets(IC50)	Endogenous Metabolite, Drug Metabolite

Solubility Information

Solubility	DMSO: 11 mg/mL (89.35 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.1228 mL	40.6141 mL	81.2282 mL
5 mM	1.6246 mL	8.1228 mL	16.2456 mL
10 mM	0.8123 mL	4.0614 mL	8.1228 mL
50 mM	0.1625 mL	0.8123 mL	1.6246 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.

Reference

Popioek U , Biernasiuk A , Berecka A , et al. New hydrazide-hydrazones of isonicotinic acid: synthesis, lipophilicity and in vitro antimicrobial screening[J]. Chemical Biology & Drug Design, 2017, 91(S1).

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481