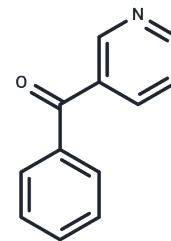


3-Benzoylpyridine

Chemical Properties

CAS No. :	5424-19-1
Formula:	C ₁₂ H ₉ NO
Molecular Weight:	183.21
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	3-Benzoylpyridine (Phenyl 3-pyridyl ketone) is a decomposition product of HGG-12 which is the soman antidote.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 4.8 mg/mL (26.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4582 mL	27.2911 mL	54.5822 mL
5 mM	1.0916 mL	5.4582 mL	10.9164 mL
10 mM	0.5458 mL	2.7291 mL	5.4582 mL
50 mM	0.1092 mL	0.5458 mL	1.0916 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

Eyer P, Hell W. The metabolism of 3-benzoylpyridine. Xenobiotica. 1983 Nov;13(11):649-59. PubMed PMID: 6673376.

Murray M, Sefton RM, Martini R, Butler AM. Comparative induction of CYP3A and CYP2B in rat liver by 3-benzoylpyridine and metyrapone. Chem Biol Interact. 1998 Jun 5;113(3):161-73. PubMed PMID: 9717516.

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