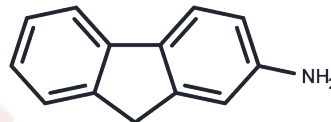


## 2-Aminofluorene

## Chemical Properties

CAS No. :	153-78-6
Formula:	C <sub>13</sub> H <sub>11</sub> N
Molecular Weight:	181.23
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	2-Aminofluorene (2-Fluorenamine) is a biochemical.
Targets(IC50)	Others,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 245 mg/mL (1351.87 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	5.5179 mL	27.5893 mL	55.1785 mL
5 mM	1.1036 mL	5.5179 mL	11.0357 mL
10 mM	0.5518 mL	2.7589 mL	5.5179 mL
50 mM	0.1104 mL	0.5518 mL	1.1036 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

Ueda O, Kitamura S, Kubo R, Yano Y, Kanzaki Y, Fujimoto T, Tatsumi K, Ohta S. Metabolism of 2-nitrofluorene, 2-aminofluorene and 2-acylaminofluorenes in rat and dog and the role of intestinal bacteria. *Xenobiotica*. 2001 Jan; 31(1):33-49.

Chung JG, Chang HL, Yeh CC, Lu HF, Chang CC, Tsai HD. Effects of the immunomodulator tilorone on the acetylation of 2-aminofluorene and DNA-2-aminofluorene adducts in the rats. *Anticancer Res*. 2000 Jan-Feb;20(1A):467-73.

Heflich RH, Neft RE. Genetic toxicity of 2-acetylaminofluorene, 2-aminofluorene and some of their metabolites and model metabolites. *Mutat Res*. 1994 Oct;318(2):73-114. Review.

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