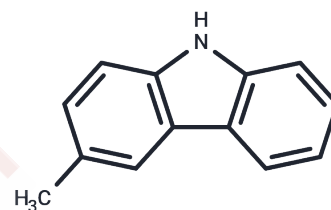


## 3-Methylcarbazole

## Chemical Properties

CAS No. :	4630-20-0
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	3-Methylcarbazole (NSC-10154) is a carbazole alkaloid compound with anticancer effects.
Targets(IC50)	Others, Interleukin
In vitro	3-Methylcarbazole shows growth inhibitory activity (IC <sub>50</sub> of 25 µg/mL) on human fibrosarcoma HT-1080 cells[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (496.61 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

Cheng-Bin Cui, et al. Carbazole alkaloids as new cell cycle inhibitor and apoptosis inducers from *Clausena dunniana* Levl. J Asian Nat Prod Res. 2002 Dec;4(4):233-41.

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