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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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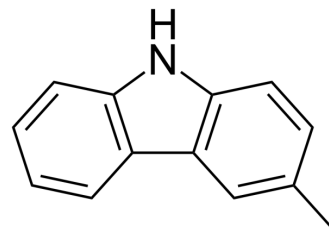
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3-Methylcarbazole

Cat. No.:	HY-W047478
CAS No.:	4630-20-0
Molecular Formula:	C ₁₃ H ₁₁ N
Molecular Weight:	181.23
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 : 100 mg/mL (551.79 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>5.5179 mL</td> <td>27.5893 mL</td> <td>55.1785 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>1.1036 mL</td> <td>5.5179 mL</td> <td>11.0357 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.5518 mL</td> <td>2.7589 mL</td> <td>5.5179 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					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			
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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: 2.5 mg/mL (13.79 mM); Suspended solution; Need ultrasonic																													

BIOLOGICAL ACTIVITY

Description	3-Methylcarbazole is a carbazole alkaloid compound with anticancer effects. 3-Methylcarbazole shows growth inhibitory activity (IC ₅₀ of 25 µg/mL) on human fibrosarcoma HT-1080 cells ^[1] .
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REFERENCES

[1]. 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.

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

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