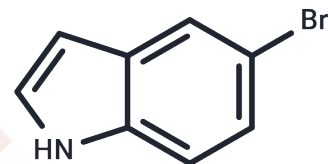


5-Bromoindole

Chemical Properties

CAS No. :	10075-50-0
Formula:	C ₈ H ₆ BrN
Molecular Weight:	196.04
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	5-bromoindole is a potential inhibitor of glycogen synthase kinase 3 (GSK-3) and an important pharmaceutical chemical intermediate
Targets(IC50)	Others, GSK-3

Solubility Information

Solubility	DMSO: 65 mg/mL (331.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (10.2 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.101 mL	25.505 mL	51.010 mL
5 mM	1.0202 mL	5.101 mL	10.202 mL
10 mM	0.5101 mL	2.5505 mL	5.101 mL
50 mM	0.102 mL	0.5101 mL	1.0202 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

Butler-Fernández KM, Ramos Z, Francis-Malavé AM, et al. Synthesis, Anti-Cancer and Anti-Migratory Evaluation of 3,6-Dibromocarbazole and 5-Bromoindole Derivatives. *Molecules*. 2019 Jul 24;24(15). pii: E2686.

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