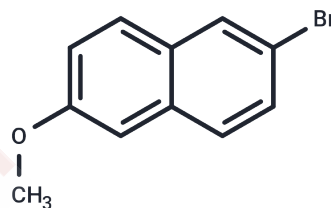


## 2-Bromo-6-methoxynaphthalene

## Chemical Properties

CAS No. :	5111-65-9
Formula:	C <sub>11</sub> H <sub>9</sub> BrO
Molecular Weight:	237.09
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-Bromo-6-methoxynaphthalene was used in the synthesis of nabumetone [4-(6-methoxy-2-naphthalenyl)-2-butanone] by Heck reaction.
Targets(IC50)	5-HT Receptor, Trk receptor

## Solubility Information

Solubility	DMSO: 55 mg/mL (231.98 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 (8.44 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	4.2178 mL	21.089 mL	42.1781 mL
5 mM	0.8436 mL	4.2178 mL	8.4356 mL
10 mM	0.4218 mL	2.1089 mL	4.2178 mL
50 mM	0.0844 mL	0.4218 mL	0.8436 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

KOCH DANIEL JAMES. US6303627

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