

## Data Sheet (Cat.No.T3741)

(-)-borneol

### Chemical Properties

CAS No.:	464-45-9
Formula:	C <sub>10</sub> H <sub>18</sub> O
Molecular Weight:	154.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

### Biological Description

Description	(-)-Borneol has a highly efficacious positive modulating action at GABA receptor with an EC <sub>50</sub> of 237 µM.
Targets(IC <sub>50</sub> )	Others: None

### Solubility Information

Solubility	DMSO: 28 mg/mL(181.5 mM) Ethanol: Soluble Chloroform: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.483 mL	32.415 mL	64.83 mL
5 mM	1.297 mL	6.483 mL	12.966 mL
10 mM	0.648 mL	3.241 mL	6.483 mL
50 mM	0.13 mL	0.648 mL	1.297 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Gupta S1, Pandotra P, Ram G, Anand R, et al. Composition of a monoterpenoid-rich essential oil from the rhizome of *Zingiber officinale* from north western Himalayas. *Nat Prod Commun.* 2011 Jan;6(1):93-6.
- Mohsenzadeh F1, Chehregani A, Amiri H. Chemical composition, antibacterial activity and cytotoxicity of essential oils of *Tanacetum parthenium* in different developmental stages. *Pharm Biol.* 2011 Sep;49(9):920-6.

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