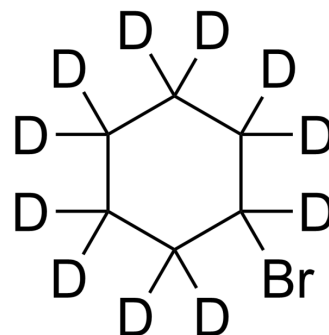


## Bromocyclohexane-d<sub>11</sub>

Cat. No.:	HY-W017209S
CAS No.:	35558-49-7
Molecular Formula:	C <sub>6</sub> D <sub>11</sub> Br
Molecular Weight:	174.12
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	<div>Pure form</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (574.32 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.7432 mL	28.7158 mL	57.4317 mL
	5 mM		1.1486 mL	5.7432 mL	11.4863 mL
	10 mM		0.5743 mL	2.8716 mL	5.7432 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Bromocyclohexane-d<sub>11</sub> is the deuterium labeled Bromocyclohexane-[1].

#### In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

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

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