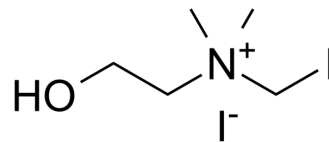


## Iodocholine iodide

<b>Cat. No.:</b>	HY-W130177
<b>CAS No.:</b>	28508-22-7
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>13</sub> I <sub>2</sub> NO
<b>Molecular Weight:</b>	356.97
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (280.14 mM; Need ultrasonic)  
H<sub>2</sub>O : 50 mg/mL (140.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8014 mL	14.0068 mL	28.0136 mL
	5 mM	0.5603 mL	2.8014 mL	5.6027 mL
	10 mM	0.2801 mL	1.4007 mL	2.8014 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Iodocholine iodide is a non-toxic, metabolizable "green" catalyst that can catalyze the free radical polymerization of functional polymers. Iodocholine iodide is also the non-radioactive iodide of Carbon-11 choline. C-11 Choline can be used in PET imaging and non-informative bone scintigraphy, CT or MRI to monitor various types of cancer<sup>[1][2]</sup>.

### REFERENCES

[1]. Carbon-11 choline. Radiopharmaceuticals.

[2]. Wang CG, et al. Biocompatible Choline Iodide Catalysts for Green Living Radical Polymerization of Functional Polymers. ACS Macro Lett. 2018 Feb 20;7(2):263-268.

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

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