

## Decane, 1-iodo-

## Chemical Properties

CAS No. : 2050-77-3

Formula: C<sub>10</sub>H<sub>21</sub>I

Molecular Weight: 268.1782

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	Decane, 1-iodo- is used as an intermediate in organic synthesis. Through palladium-catalyzed carbonylative cross-coupling reaction with 9-octyl-9-borabicyclo[3.3.1]nonane, it is also used as a precursor to prepare 9-nonadecanone.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7288 mL	18.6442 mL	37.2884 mL
5 mM	0.7458 mL	3.7288 mL	7.4577 mL
10 mM	0.3729 mL	1.8644 mL	3.7288 mL
50 mM	0.0746 mL	0.3729 mL	0.7458 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

Sankar R, Archunan G. Identification of putative pheromones in bovine (*Bos taurus*) faeces in relation to estrus detection. *Anim Reprod Sci.* 2008 Jan 15;103(1-2):149-53. Epub 2007 Apr 22. PubMed PMID: 17507187.

Brockhausen I, Larsson EA, Hindsgaul O. A very simple synthesis of GlcNAc- $\alpha$ -pyrophosphoryl-decanol: a substrate for the assay of a bacterial galactosyltransferase. *Bioorg Med Chem Lett.* 2008 Jan 15;18(2):804-7. Epub 2007 Nov 17. PubMed PMID: 18042382.

Dahlén A, Hilmersson G. Mechanistic study of the SmI<sub>2</sub>/H<sub>2</sub>O/amine-mediated reduction of alkyl halides: amine base strength (pK<sub>BH</sub><sup>+</sup>) dependent rate. *J Am Chem Soc.* 2005 Jun 15;127(23):8340-7. PubMed PMID: 15941267.

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