

## 1-(Furan-2-yl)propan-1-one

## Chemical Properties

CAS No. :	3194-15-8
Formula:	C7H8O2
Molecular Weight:	124.137
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	1-(Furan-2-yl)propan-1-one, classified as an aryl alkyl ketone, is detected in foods including potatoes, breakfast cereals, fruits, blackberries, and evergreen blackberries ( <i>Rubus laciniatus</i> ).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.0554 mL	40.2771 mL	80.5542 mL
5 mM	1.6111 mL	8.0554 mL	16.1108 mL
10 mM	0.8055 mL	4.0277 mL	8.0554 mL
50 mM	0.1611 mL	0.8055 mL	1.6111 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

Bülbül AS, Şahin E. Green synthesis of (S)-1-(furan-2-yl)propan-1-ol from asymmetric bioreduction of 1-(furan-2-yl)propan-1-one using whole-cell of *Lactobacillus paracasei* BD101. *Chirality*. 2024 Jan;36(1):e23620.

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