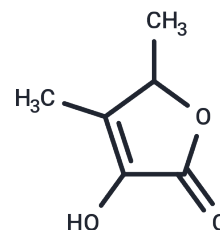


4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one

Chemical Properties

CAS No. :	28664-35-9
Formula:	C ₆ H ₈ O ₃
Molecular Weight:	128.13
Storage:	Keep away from moisture
	Pure form: -20°C for 3 years In solvent: -80°C for 1 year
	Actual storage temperature shall be subject to the COA.



Biological Description

Description	4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one (Fenugreek Lactone) is a kind of food spice mainly used in caramel, brown sugar, whisky, marshmallow, coffee, toffee and other flavors.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8046 mL	39.0229 mL	78.0457 mL
5 mM	1.5609 mL	7.8046 mL	15.6091 mL
10 mM	0.7805 mL	3.9023 mL	7.8046 mL
50 mM	0.1561 mL	0.7805 mL	1.5609 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

Pereira V, Leça JM, Gaspar JM, Pereira AC, Marques JC. Rapid Determination of Sotolon in Fortified Wines Using a Miniaturized Liquid-Liquid Extraction Followed by LC-MS/MS Analysis. J Anal Methods Chem. 2018 Dec 16;2018: 4393040.

Gabrielli M, Fracassetti D, Tirelli A. UHPLC quantification of sotolon in white wine. J Agric Food Chem. 2014 May 28; 62(21):4878-83.

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