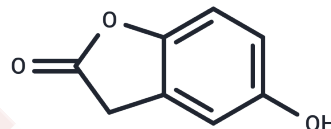


Homogentisic acid lactone

Chemical Properties

CAS No. :	2688-48-4
Formula:	C ₈ H ₆ O ₃
Molecular Weight:	150.13
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Homogentisic acid lactone is a fungal metabolite exhibiting antifungal activity that inhibits <i>Fusarium graminearum</i> . It serves as a substrate for determining serum paraoxonase 1 (PON1) activity.
Targets(IC50)	Endogenous Metabolite,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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

Mousa WK, et al. Characterization of Antifungal Natural Products Isolated from Endophytic Fungi of Finger Millet (*Eleusine coracana*). *Molecules*. 2016 Sep 3;21(9):1171.

Beltowski J, et al. Leptin decreases plasma paraoxonase 1 (PON1) activity and induces oxidative stress: the possible novel mechanism for proatherogenic effect of chronic hyperleptinemia. *Atherosclerosis*. 2003 Sep;170(1): 21-9.

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