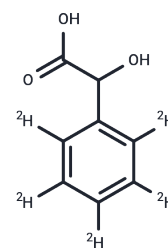


(±)-Mandelic-2,3,4,5,6-D5 Acid

Chemical Properties

CAS No. :	70838-71-0
Formula:	C8D5H3O3
Molecular Weight:	157.18
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	(±)-Mandelic-2,3,4,5,6-D5 Acid is a deuterated compound of (±)-Mandelic Acid (TMSM-1529). (±)-Mandelic Acid has a CAS number of 90-64-2. It is an isomer of cresotinic acid (2-hydroxy-3-methylbenzoic acid) and oxymethylbenzoic acid (2-methoxybenzoic acid). Derivatives of mandelic acid are formed as a result of metabolism of adrenaline and noradrenaline by monoamine oxidase and catechol-o-methyl transferase. It is also present in certain skin care products, is an intermediate molecule in the production of other biochemicals, may be used as an analytical reagent and is a precursor in the manufacture of dyes. Mandelic acid is found to be associated with phenylketonuria, which is an inborn error of metabolism.
Targets(IC50)	Endogenous Metabolite, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3621 mL	31.8107 mL	63.6213 mL
5 mM	1.2724 mL	6.3621 mL	12.7243 mL
10 mM	0.6362 mL	3.1811 mL	6.3621 mL
50 mM	0.1272 mL	0.6362 mL	1.2724 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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