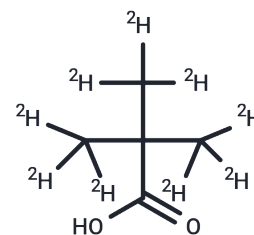


Pivalic acid-D9

Chemical Properties

CAS No. :	42983-07-3
Formula:	C ₅ H ₉ O ₂
Molecular Weight:	111.19
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	Pivalic acid-D9 is a 2H-labeled version of Pivalic acid (TYD-02657), used for synthesizing neopentyl chloride and neopentyl esters.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.9936 mL	44.9681 mL	89.9361 mL
5 mM	1.7987 mL	8.9936 mL	17.9872 mL
10 mM	0.8994 mL	4.4968 mL	8.9936 mL
50 mM	0.1799 mL	0.8994 mL	1.7987 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

Russak EM, Bednarczyk EM. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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