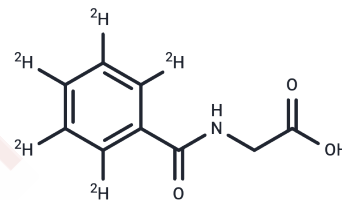


Hippuric Acid-D5

Chemical Properties

CAS No. :	53518-98-2
Formula:	C ₉ H ₄ D ₅ NO ₃
Molecular Weight:	184.2
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	Hippuric Acid-D5 is a deuterated compound of Hippuric Acid. Hippuric Acid (T4815) has a CAS number of 495-69-2. Hippuric acid is an acyl glycine formed by the conjugation of benzoic acid with glycine. Hippuric acid is a normal component of urine and is typically increased with increased consumption of phenolic compounds (tea, wine, fruit juices). These phenols are converted to benzoic acid which is then converted to hippuric acid and excreted in the urine.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4289 mL	27.1444 mL	54.2888 mL
5 mM	1.0858 mL	5.4289 mL	10.8578 mL
10 mM	0.5429 mL	2.7144 mL	5.4289 mL
50 mM	0.1086 mL	0.5429 mL	1.0858 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

Niwa T, et al. Organic acids and the uremic syndrome: protein metabolite hypothesis in the progression of chronic renal failure. Semin Nephrol. 1996 May;16(3):167-82.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481