

Product Data Sheet

Product Name: 3-(3-Hydroxyphenyl)-3-hydroxypropanoic Acid-d₄

Cat. No.: GC91890

Chemical Properties

Cas. No.

Chemical Name β ,3-dihydroxy-d₄-benzenepropanoic acid

SMILES O=C(O)CC(C1=C([2H])C([2H])=C([2H])C(O)=C1[2H])O

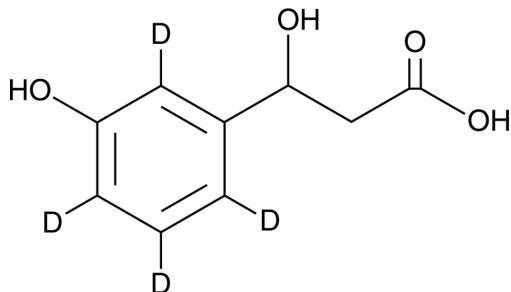
Formula C₉H₆D₄O₄ M.Wt 186.2

Solubility Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

3-(3-Hydroxyphenyl)-3-hydroxypropanoic acid-d₄ (HPHPA-d₄) is intended for use as an internal standard for the quantification of HPHPA by GC- or LC-MS. HPHPA is a urinary metabolite.¹

References:

[1]. Khaniani, Y., Lipfert, M., Bhattacharyya, D., et al. A simple and convenient synthesis of unlabeled and ¹³C-labeled 3-(3-hydroxyphenyl)-3-hydroxypropionic acid and its quantification in human urine samples. *Metabolites* 8(4):80 (2018).

Caution: Product has not been fully validated for medical applications. For research use only.

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