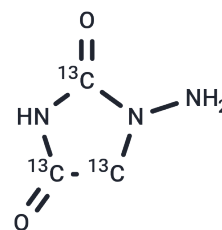


1-Amino Hydantoin-13C3

Chemical Properties

CAS No. :	957509-31-8
Formula:	13C3H5N3O2
Molecular Weight:	118.07
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	1-Amino Hydantoin-13C3 is the 13C labeled compound of 1-Amino Hydantoin. 1-Amino Hydantoin has a CAS number of 6301-02-6. 1-Aminohydantoin is a major metabolite of furantoin in animal tissues. 1-Aminohydantoin is covalently bound to tissue proteins, released from tissues under slightly acidic conditions, and can be detected by derivatization with 2-nitrobenzaldehyde to form a nitrophenyl derivative of AHD. 1-Aminohydantoin can be used as an assay for the determination of veterinary drug residues in meat and milk.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.4696 mL	42.3478 mL	84.6955 mL
5 mM	1.6939 mL	8.4696 mL	16.9391 mL
10 mM	0.847 mL	4.2348 mL	8.4696 mL
50 mM	0.1694 mL	0.847 mL	1.6939 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

Liu W, et al. J Agric Food Chem. 2007 Aug 22;55(17):6829-34.

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