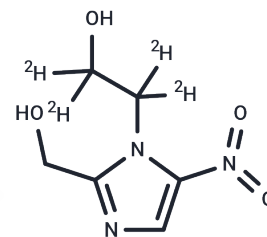


Hydroxy Metronidazole-D4

Chemical Properties

CAS No. :	1215071-08-1
Formula:	C ₆ H ₅ D ₄ N ₃ O ₄
Molecular Weight:	191.18
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	Hydroxy Metronidazole-D4 is a deuterated compound of Hydroxy Metronidazole. Hydroxy Metronidazole (T40573) has a CAS number of 4812-40-2. Hydroxymetronidazole (Metronidazole-OH) is a metabolite of Metronidazole belonging to the class of nitroimidazoles. Hydroxymetronidazole can be used for the research of certain bacterial and protozoal diseases in poultry, swine dysentery and genital trichomoniasis in cattle.
Targets(IC50)	Antibacterial, Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2307 mL	26.1534 mL	52.3067 mL
5 mM	1.0461 mL	5.2307 mL	10.4613 mL
10 mM	0.5231 mL	2.6153 mL	5.2307 mL
50 mM	0.1046 mL	0.5231 mL	1.0461 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

Rodrigo H M M Granja, et al. Determination and confirmation of metronidazole, dimetridazole, ronidazole and their metabolites in bovine muscle by LC-MS/MS. Food Addit Contam Part A Chem Anal Control Expo Risk Assess. 2013;30(6):970-6.

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