Product Data Sheet

Product Name: Hydroxylamine- 15 N hydrochloride
Cat. No.: GC80844

Chemical Properties

Cas. No.	40711-48-6		
Formula	$ClH_{415}NO$	M.Wt	70.48
Solubility		Storage	Store at -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

Hydroxylamine- 15 N hydrochloride is the 15 N-labeled Hydroxylamine hydrochloride. Hydroxylamine hydrochloride is a selective Monoamine oxidase (MAO) inhibitor used for inhibiting of platelet aggregation. Hydroxylamine hydrochloride is an intermediate of nitrogen cycle in aerobic ammonium oxidizers microorganisms, such as ammonium oxidizing bacteria (AOB), ammonium oxidizing archaea (AOA) and complete ammonium oxidizing bacteria (comammox). Hydroxylamine hydrochloride impacts NO and N2O emissions by aerobic ammonium oxidizers microorganisms and

inhibits nitrite oxidizing bacteria (NOB) activity [1] [2].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.