

Acetylpyruvic Acid-13C3

Art. ID TRC-A163942-10MG
Unit 10 mg
Deliverydetails No Dangerous Good

Description

Category: Aliphatics, Diagnostic, Isotope Labelled Compounds /// Application Notes: Acetylpyruvic Acid-13C3 is the isotope labelled analog of Acetylpyruvic Acid. Acetylpyruvic acid is a derivative of pyruvic acid (P998900) which is an intermediate in sugar metabolism and in enzymatic carbohydrate degradation (alcoholic fermentation) where it is converted to acetaldehyde and CO₂ by carboxylase. In muscle, Pyruvic acid (derived from glycogen) is reduced to lactic acid during exertion, which is reoxidized and partially retransformed to glycogen during rest. The liver can convert Pyruvic acid to alanine by amination. A diagnostic agent for Parkinson disease. /// References: Wenzel, A., et al.: J. Neurosci., 21, 53 (2001), Martinez., et al.: Development, 6, 851 (2002), Nakayama, K., et al.: J. Biochem., 146, 757 (2009), Tanaka, T., et al.: J. Pharmacol. Sci., 109, 24 (2009)

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Acetylpyruvic Acid-13C3					