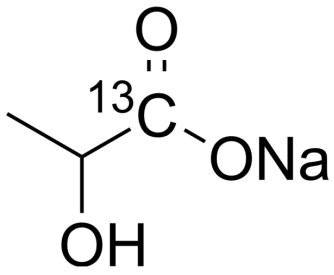
Lactate-^{13}C sodium

Cat. No.:	HY-B2227BS2
CAS No.:	81273-81-6
Molecular Formula:	$C_2{}^{13}CH_5NaO_3$
Molecular Weight:	113.05
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	Lactate-^{13}C (sodium) is the ^{13}C labeled Lactate sodium[1]. Lactate (Lactic acid) sodium is the product of glycogenolysis and glycolysis. Lactate (Lactic acid) sodium functions in a variety of biochemical processes[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[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Brooks GA. Lactate: link between glycolytic and oxidative metabolism. Sports Med. 2007;37(4-5):341-3.

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