

PROTEIN NMR 大分子生物核磁产品

NMR SOLVENT 氘代试剂



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Biochemicals--Biomolecular NMR

Isotopic labeling has played crucial roles in the development of solid-state NMR spectroscopy as a method for determining the structures of proteins that reside in membranes, aggregates, or other types of assemblies. With the realization that one-third of the protein sequences in a genome correspond to intrinsic membrane proteins, there has been a surge of interest in the further development and routine application of solid-state NMR to membrane proteins. Oriented sample methods are particularly well suited for membrane proteins because of the highly asymmetric properties of phospholipid.

Catalog No	Description	Enrichment	Catalog No	Description	Enrichment
Sugar					
38,937-4	D-Glucose-13C6	99%	33,212-7	L-Alanine-15N	98%
55,215-1	D-Glucose-13C6,C-d7	99% ¹³ C;97-99%D	60,011-3	L-Arginine-15N4•HCl	98%
55,200-3	D-Glucose-C-d7	97-99%	48,591-8	L-Asparagine-15N2•H2O	98%
61,633-8	D-Glucose-d12	97-99%	33,213-5	L-Aspartic-15Nacid	98%
15NProducts					
29,925-1	Ammonium-15N chloride	98%	60,912-9	L-Cysteine-15N	98%
48,801-1	Ammonium-15N hydroxide	98%	33,214-3	L-Glutamic-15Nacid	98%
59,409-1	Ammonium deuterioxide-15N, d4	98% ¹⁵ N;98%D	49,003-2	L-Glutamine-15N2	98%
29,928-6	Ammonium-15N2 sulfate	98%	29,929-4	Glycine-15N	98%
Deuterium oxide					
15,188-2	Deuterium oxide	99.9%	57,436-8	L-Histidine-15N3	95%
43,576-7	Deuterium oxide	99%	60,901-3	L-Isoleucine-15N	98%
Other Products of Interest					
44,749-8	Glycerol-d8	98%	34,096-0	L-Leucine-15N	98%
45,452-4	Glycerol-1,1,2,3,3-d5	98%	60,902-1	L-Lysine-15N2•HCl	98%
48,947-6	Glycerol- ¹³ C3	99%	60,924-2	L-Methionine-15N	98%
27,717-7	Methyl- ¹³ C alcohol	99%	49,010-5	L-Phenylalanine-15N	98%
60,729-0	Methyl alcohol- ¹³ C,d4	99% ¹³ C; 99%D	60,899-8	L-Proline-15N	98%
28,201-4	Sodium acetate- ¹³ C2	99%	60,900-5	L-Serine-15N	98%
17,607-9	Sodium acetate-d3	99%	60,909-9	L-Threonine-15N	98%
29,911-1	Sodium acetate- ¹³ C2,d3	99% ¹³ C; 99%D	57,460-0	L-Tryptophan-15N2	95%
			49,017-2	L-Valine-15N	98%

Continued

Biochemicals--Biomolecular NMR

Catalog No	Description	Enrichment	Catalog No	Description	Enrichment
Fully Labeled 13C,15NAmino Acids					
48,988-3	L-Alanine-13C3,15N	9813C;9815N	42,619-9	Algal amino acid mixture-13C	99%
60,803-3	L-Arginine-13C6,15N4•HCl	9813C;9815N	60,894-7	Algal amino acid mixture-15N	98%
60,815-7	L-Asparagine-13C4,15N2•H2O	9813C;9815N	48,791-0	Algal amino acid mixture-13C,15N	98%13C;98%15N
60,783-5	L-Aspartic acid-13C4,15N	9813C;9815N	59,690-6	Algal amino acid mixture-15N,D	98%15N;97%D
65,805-7	L-Cysteine-13C3,15N	9813C;9815N	60,764-9	Algal amino acid mixture-13C,15N,D	98%13C;98%15N;97%D
60,785-1	L-Glutamic acid-13C5,15N	9813C;9815N	48,986-7	L-Alanine-1-13C	99%
60,798-3	L-Glutamine-13C5,15N2	9813C;9815N	48,585-3	L-Alanine-2-13C,15N	99%13C;98%15N
48,952-2	Glycine-13C2,15N	9813C;9815N	57,074-5	L-Asparagine-15N2,d8•H2O	98%15N;98%D
60,800-9	L-Histidine-13C6,15N3	9813C;9815N	63,667-3	L-Asparagine-15N2,d8	98%15N;98%D
60,809-2	L-Isoleucine-13C6,15N	9813C;9815N	57,251-9	L-Aspartic acid-15N,2,3,3-d3	98%D;98%15N
60,806-8	L-Leucine-13C6,15N	9813C;9815N	60,770-3	L-Aspartic acid-2-13C,15N	99%13C;98%15N
60,804-1	L-Lysine-13C6,15N2•HCl	9813C;9815N	63,508-1	L-Glutamine-13C5,15N2,d10	98%13C,98%15N;97%D
60,810-6	L-Methionine-13C5,15N	9813C;9815N	57,073-7	L-Glutamine-15N2,d10	98%15N;98%D
60,801-7	L-Phenylalanine-13C9,15N	9813C;9815N	49,006-7	L-Leucine-1-13C,15N	99%13C;98%15N
60,811-4	L-Proline-13C5,15N	9813C;9815N	60,765-7	L-Leucine-2-13C,15N	99%13C;98%15N
60,813-0	L-Serine-13C3,15N	9813C;9815N	60,817-3	L-Leucine-3-13C,15N	99%13C;98%15N
60,777-0	L-Threonine-13C4,15N	9813C;9815N	60,794-0	L-Leucine-13C6,d10	99%13C;98%D
57,459-7	L-Tryptophan-13C11,15N2	9713C;9815N	48,598-5	L-Serine-2-13C,15N	99%13C;98%15N
60,014-8	L-Valine-13C5,15N	9813C;9815N	64,456-0	L-Glutamic acid-13C5,15N,d9	99%13C;98%15N;98%D
			64,387-4	L-Glutamic acid-15N,d9	98%15N;98%D

Biochemicals--Biomolecular MS

Proteomics is the systematic study of proteins encoded by the genome. This involves all aspects of protein characterization: identification of the post-translational modifications (PTM), localization, structure, and ultimately identification and quantization. Specifically, quantization has been described for both protein expression relative to the changes in response to external and internal perturbations, as well as on an absolute scale.

Catalog No	Description	Enrichment	Catalog No	Description	Enrichment
Enzymatic Labeling Products					
48,709-0	Water-18O	99%	60,912-9	L-Cysteine-15N	98%
Metabolic Labeling Products					
38,937-4	D-Glucose-13C6	99%	33,214-3	L-Glutamic acid-15N	98%
55,215-1	D-Glucose-13C6,C-d7	99%13C;97-99%D	60,785-1	L-Glutamic acid-13C5,15N	98%13C;98%15N
55,200-3	D-Glucose-d7	97-99%	49,003-2	L-Glutamine-15N2	98%
49,216-7	D-Glucose-12C6	99.9%	60,798-3	L-Glutamine-13C5,15N2	98%13C;98%15N
29,925-1	Ammonium chloride-15N	98%	29,929-4	Glycine-15N	98%
48,541-1	Ammonium sulfate-14N2	99.99%	48,952-2	Glycine-13C2,15N	98%13C;98%15N
60,875-0	Potassium nitrate-14N	99.95	57,436-8	L-Histidine-15N3	95%
Products for SILAC					
33,212-7	L-Alanine-15N	98%	60,901-3	L-Isoleucine-15N	98%
48,988-3	L-Alanine-13C3,15N	98%13C;98%15N	60,809-2	L-Isoleucine-13C6,15N	98%13C;98%15N
60,011-3	L-Arginine-15N4•HCl	98%	60,806-8	L-Leucine-13C6,15N	98%13C;98%15N
60,803-3	L-Arginine-13C6,15N4•HCl	9813C;9815N	60,804-1	L-Lysine-13C6,15N2•HCl	98%13C;98%15N
48,591-8	L-Asparagine-15N2•H2O	98%	60,810-6	L-Methionine-13C5,15N	98%13C;98%15N
60,815-7	L-Asparagine-13C4,15N2•H2O	98%13C;98%15N	60,801-7	L-Phenylalanine-13C9,15N	98%13C;98%15N
33,213-5	L-Aspartic acid-15Nacid	98%	60,811-4	L-Proline-13C5,15N	98%13C;98%15N

Biochemicals—MRI/MRS

Stable isotopes have played a very useful role in MR research that involves both MRI and MRS. Of the various NMR active nuclei, ¹³C, ¹⁵N, ³¹P, ²³Na, and ¹⁹F are the most biologically relevant. ¹³C MR research is the most comprehensive of all of them because of the versatile availability of organic molecules in the biological systems.

Catalog No	Description	Enrichment	Catalog No	Description	Enrichment
Products for MRI/MRS					
27,928-5	Acetic acid-1- ¹³ C	99%	60,496-8	L-Glutamic acid-1- ¹³ C	99%
27,930-7	Acetic-2- ¹³ Cacid	99%	60,512-3	L-Glutamic-2- ¹³ Cacid	99%
28,202-2	Acetic acid- ¹³ C2	99%	49,001-6	L-Glutamic-3- ¹³ Cacid	99%
49,170-5	Acetyl-1- ¹³ C-L-carnitine•HCl	99%	60,501-8	L-Glutamine-1- ¹³ C	99%
64,409-9	Acetyl- ¹³ C2-L-carnitine•HCl	99%	60,508-5	L-Glutamine-2- ¹³ C	99%
48,793-7	Algal Fatty acid- ¹³ C	99%	60,147-0	Lithium-7Li2 carbonate	99%
36,300-6	Ammonium- ¹⁵ N acetate	98%	60,558-1	Octadecanoic-acid ¹³ C18	99%
48,994-8	L-Alanine-3- ¹³ C	99%	49,043-1	Oleic acid- ¹³ C18	99%
60,468-2	L-Alanine-2,3 ¹³ C2	99%	29,212-5	Palmitic acid-1- ¹³ C	99%
60,631-6	Ethanol-2- ¹³ C-amine	99%	48,961-1	Palmitic acid-1,2,3,4- ¹³ C4	99%
60,629-4	Ethanol- ¹³ C2-amine	99%	60,557-3	Palmitic acid- ¹³ C16	99%
32,452-3	Ethyl-1- ¹³ C alcohol	99%	64,432-3	Palmitoyl- ¹³ C16-L-carnitineHCl	99%
42,704-7	Ethyl-2- ¹³ C alcohol	99%	27,929-3	Sodium acetate-1- ¹³ C	99%
42,703-9	Ethyl- ¹³ C2alcohol	99%	49,200-0	Sodium butyrate-2,4- ¹³ C2	99%
58,629-3	Ethyl alcohol- ¹⁷ O	20%	48,838-0	Sodium butyrate- ¹³ C4	99%
41,554-5	D-Galactose-1- ¹³ C	99%	60,602-2	Sodium L-lactate-1- ¹³ C	99%
29,704-6	D-Glucose-1- ¹³ C	99%	65,720-4	Sodium octanoate-2,4,6,8- ¹³ C4	99%
31,079-4	D-Glucose-2- ¹³ C	99%	49,063-6	Sodium propionate- ¹³ C3	99%
31,080-8	D-Glucose-6- ¹³ C	99%	49,070-9	Sodium pyruvate-1- ¹³ C	99%
45,318-8	D-Glucose-1,2- ¹³ C2	99%	49,071-7	Sodium pyruvate- ¹³ C3	99%

Biochemicals– Nutrition/Metabolism

Since the discovery that fatty acids labeled with deuterium are taken up into adipose tissues in the early 1930s, tracers labeled with stable isotopes have become an important analytical tool in human nutrition and metabolic studies. For example, glucose is the principal substrate for metabolism in the brain, and hypoglycemia can lead to seizures, unconsciousness, mental retardation, and death. The development of glucose labeled with the stable isotopes of hydrogen and carbon has enabled scientists to further understand glucose metabolism and, therefore, the cause of hypoglycemia.

Catalog No	Description	Enrichment	Catalog No	Description	Enrichment
48,785-6	Acetic acid-2,2,2-d3	99%	60,492-5	Creatine-(methyl-13C) monohydrate	99%
49,170-5	Acetyl-1-13C-L-carnitine•HCl	99%	48,544-6	Creatinine-methyl-d3	99%
61,746-6	Acetyl-d3-L-carnitine•HCl	99%	48,866-6	Decanoic-d19acid	99%
58,672-2	L-Alanine-1-13C,3,3,3-d3	99%	49,252-3	Equilin-2,4,16,16-d4	99%
60,468-2	L-Alanine-2,3-13C2	99%	48,926-3	Ethyl acetoacetate-1,2,3,4-13C4	99%
48,584-5	L-Alanine-2,3,3,3-d4	98%	58,761-3	D-Fructose-1,6-13C2	99%
60,927-7	4-Aminobutyric acid-15N	99%	60,607-3	Fumaric-2,3-13C2acid	99%
60,927-7	4-Aminobutyric acid-15N	98%			
61,558-7	4-Aminobutyric acid-2,2,3,3,4,4-d6	97%	45,318-8	D-Glucose-1,2-13C2	99%
58,675-7	5-Aminolevulinic acid-5-13C•HCl	98%	60,522-0	L-Glutamine-1,2-13C2	98%
57,986-6	L-Asparagine-4-13C•H2O	98%	45,452-4	Glycerol-1,1,2,3,3-d5	99%
57,979-3	L-Aspartic acid-1,2-13C2	98%	49,263-9	Glycerol-1,3-13C2	99%
60,770-3	L-Aspartic-2-13C,15Nacid	99%13C;98%15N	58,615-3	Lauric acid-1,2,3,4-13C4	99%
48,857-7	Cholesterol-2,2,3,4,4,6-d6	99%	48,560-8	Lauric acid-12,12,12-d3	99%
61,554-4	Choline-1,1,2,2-d4chloride	99%	60,490-9	L-Leucine-1,2-13C2	99%
61,555-2	Choline-1,1,2,2-d4bromide	99%	48,682-5	L-Leucine-5,5,5-d3	99%
60,926-9	Choline-15N chloride	99%	49,298-1	Maleic-2,3-13C2anhydride	99%
60,608-1	Citric acid-13C6	99%	29,914-6	L-Methionine-13C (methyl-13C)	98%
48,860-7	Citric acid-1,5-13C2	99%	49,316-3	Octanoicacid-1,2,3,4-13C4	99%
			60,613-3	Oleic acid-9,10-d2	99%
			49,275-2	Palmitic-2-13Cacid	99%

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product	Name	Isotope	Package	Quote (RMB)
氘代丙酮	Acetone-D6	(D,99.9%)	10*0.5ml	110
氘代丙酮	Acetone-D6	(D,99.9%)	10G	165
氘代丙酮	Acetone-D6	(D,99.9%)	25G	340
氘代乙酸	AceticAcid-D4	(D,99.5%)	10*0.5ml	280
氘代乙酸	AceticAcid-D4	(D,99.5%)	10G	460
氘代乙腈	Acetonitrile-D3	(D,99.8%)	10*0.6ml	242
氘代乙腈	Acetonitrile-D3	(D,99.8%)	10G	310
氘代乙腈	Acetonitrile-D3	(D,99.8%)	50G	1350
氘代苯	Benzene-D6	(D,99.6%)	10*0.6ml	235
氘代苯	Benzene-D6	(D,99.6%)	10G	300
氘代苯	Benzene-D6	(D,99.6%)	50G	1300
氘代溴苯	Bromobenzene-D5	(D,99%)	10G	750
氘代氯仿	Chloroform-D	(D,99.8%)	10*0.6ml	40
氘代氯仿	Chloroform-D	(D,99.8%)	100G	160
重水	Deuterium Oxide	(D,99.9%)	10*0.6ml	95
重水	Deuterium Oxide	(D,99.9%)	25G	230
重水	Deuterium Oxide	(D,99.9%)	1000G	4200
氘代二甲亚砜	Dimethylsulfoxide-D6	(D,99.9%)	10*0.6ML	125
氘代二甲亚砜	Dimethylsulfoxide-D6	(D,99.9%)	10*0.5ML	110
氘代二甲亚砜	Dimethylsulfoxide-D6	(D,99.9%)	50G	680
氘代DMF	N,N-Dimethylformamide-d7	(D,99.5%)	5*1g	1230
氘代二氯乙烷	Dichloroethane-D4	(D,99%)	5G	1250
氘代异丙醇	Isopropanol-d8	(D,99%)	5G	650
氘代甲醇	Methanol-D4	(D,99.8%)	10*0.5ML	245
氘代甲醇	Methanol-D4	(D,99.8%)	10*0.6ML	270

美国CIL&美国SIGMA NMR SOLENTS 氘代试剂

Product	Name	Isotope	Package	Quote(RMB)
氘代甲醇	Methanol-D4	(D,99.8%)	50G	1780
氘代二氯甲烷	MethyleneChloride-D2	(D,99.9%)	10*0.5ml	415
氘代二氯甲烷	MethyleneChloride-D2	(D,99.9%)	25G	1250
氘代吡啶	Pyridine-D5	(D,99.5%)	10*0.5ml	350
氘代吡啶	Pyridine-D5	(D,99.5%)	10*0.6ml	450
氘代吡啶	Pyridine-D5	(D,99.5%)	10G	650
氘代四氢呋喃	Tetrahydrofuran-D8	(D,99.5%)	25G	1315
氘代四氢呋喃	Tetrahydrofuran-D8	(D,99.5%)	10G	1520
氘代三氟乙酸	Trifluoroacetic Acid	(D,99.5%)	10*0.5ml	150
氘代三氟乙酸	Trifluoroacetic Acid	(D,99.5%)	10G	210
氘代甲苯	Toluene-D8	(D,99.5%)	5G	280
氘代甲苯	Toluene-D8	(D,99.5%)	25G	1200
氘代六氟异丙醇	1,1,1,3,3,3-Hexafluoroisopropanol-D2	(D,98%)	5*1G	2300
氘代氢氧化钠	Sodium deuterioxide	(D,99.5%)	50G	650
氘代盐酸	Deuterium chloride	(99.5%)DCI 20% W/W Solution in D2O	10x0.5ml	150
核磁管	ST500-7(5mm/18cm 适合300MHz-500MHz)		100支/盒	1200

以上价格为人民币含税报价;

氘代试剂是否含有内标 (TMS), 其列表价格不变化;

如果您有其它氘代产品, 不在列表中, 请询价;

如果您有其它包装需求, 请询价;

根据具体的采购数量的不同, 成交价会有一定的折扣。

以上产品, 常备有现货, 欢迎来电来信咨询。