

Online Supplementary Material

Effect of nicotinamide mononucleotide concentration in human milk on neurodevelopmental outcome: the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study.

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Supplementary Table S1. Parameters for HPLC–MS/MS analysis of NAD-related compounds.

Analyte		Molecular weight of free form (Da)	Parent ion (m/z)	Daughter ion (m/z)	Cone (v)	Collision (eV)
NAD	Nicotinamide adenine dinucleotide	663.4	664.2	428.1	35	26
NAD_IS	Nicotinamide adenine dinucleotide- ¹³ C ⁵	668.4	669.1	428.0	6	26
NMN	Nicotinamide mononucleotide	334.2	335.2	123.0	18	12
NMN_IS	Nicotinamide-d4 mononucleotide	338.2	339.1	84.1	20	49
NAM	Nicotinamide	122.1	123.2	79.9	46	14
NAM_IS	Nicotinamide- ¹³ C ⁶	128.1	129.0	85.4	32	20
NR	Nicotinamide riboside	255.3	255.1	123.1	10	10
NA	Nicotinic acid	123.1	124.0	80.2	16	18
NA_IS	Nicotinic acid- ¹³ C ⁶	129.1	130.1	83.0	22	24
MeNAM	N-Methylnicotinamide	136.2	137.1	79.9	34	20
NAMN	Nicotinic acid mononucleotide	335.2	336.2	124.0	4	12
NAAD	Nicotinic Acid Adenine Dinucleotide	665.4	665.2	428.2	46	28
NADP	Nicotinamide adenine dinucleotide phosphate	743.4	744.0	604.0	54	18