

**Table S1.** Clinical Implication of Kynurenone Metabolites.

Organ	Clinical Implication	Disease Phenotype	Reference(s)	
Brain	Neurobehaviour	Cancer	[1]	
		Addiction	[2]	
		Bipolar	[3], [4], [5], [6]	
		Depression	[5], [7], [8], [9]	
		Schizophrenia	[6], [5], [10]	
	Neurodegenerative	ALS/MS	[11], [12]	
		Alzheimer's Disease	[13], [14]	
		Dementia	[15]	
		Parkinson's Disease	[16], [17]	
		REVIEW	[18], [19]	
Neurological Illness	CNS and PNS disorders	CNS and PNS disorders	[20]	
		Migraine	[21], [22]	
		Neurotransmission	[23]	
		REVIEW	[24]	
		Somatic Symptoms	[25]	
	Neuropathic Pain	Neuropathic Pain	[26], [27], [28]	
Breast		Cancer	[29]	
Heart	Cardiometabolic	Cardiometabolic	[30]	
		Cardiovascular Disease	[31], [32], [33], [34]	
Endocrine	Metabolism	Obesity	[35], [36]	
		Gastrointestinal Disorders	[37]	
		Gut Homeostasis	[38], [39]	
		Inflammatory Bowel Disease	[40]	
		Endocrinopathies	[41]	
	Immunity	Inflammation	[42], [43]	
		SARS-CoV-2	[44], [45]	
		Kidney Disease	[46], [47]	
		Cancer	[48], [49]	
		Energy Homeostasis	[50], [51]	
Gastrointestinal	Gastrointestinal Regulation	Inflammation	[52]	
		Liver Cirrhosis	[53]	
		Liver Fibrosis	[54]	
		Inflammation	[55]	
		SARS-CoV-2	[56]	
Immune System	MuscoSkeletal	Reproduction	Pregnancy	[57], [58], [59], [60]
		Reproductive Disorders	Preeclampsia	[61], [62]
		Cancer	[63]	
		Gerontology	[64]	
Placenta	All disease phenotypes	All disease phenotypes	[65], [66], [67]	
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