SUPPLEMENTARY MATERIAL

In Vitro Metabolite Profiling of ADB-FUBINACA, A New Synthetic Cannabinoid

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Table S1. Inclusion list of predicted biotransformations for information-dependent acquisition MS/MS mode with Analyst software. MS/MS, tandem mass spectrometry.

parent, oxidation (+O), carboxylation (+2O-2H), desaturation (-2H), hydrogenation (+2H), ketone formation (-2H+O), defluorination (-F+H), defluorobenzylation (-C7H6F), amide hydrolysis to carboxylic acid (-NH2+OH), internal hydrolysis (+2H+O), glucuronidation (+C6H8O6), sulfation (+SO3), di-oxidation (+2O), oxidation + defluorination (-F+OH), oxidation + amide hydrolysis (-NH2+OH+O), oxidation + internal hydrolysis (+2H+2O), oxidation + glucuronidation (+C6H8O7), oxidation + sulfation (+SO4), carboxylation + defluorination (-F-H+2O), di-oxidation + defluorination (-F+H+2O), di-oxidation + defluorination (-F+H+2O), di-oxidation + defluorination (-F+H+2O+C6H8O8), oxidation + defluorination + glucuronidation (-F-H+2O+C6H8O6), carboxylation + defluorination + glucuronidation (-F-H+2O+C6H8O6), tetra-oxidation + defluorination + defluorination + defluorination + glucuronidation (-F+H+4O), tri-oxidation + defluorination + glucuronidation (-F+H+4O), tri-oxidation + defluorination + glucuronidation (-F+OH+C6H8O8), tetra-oxidation + defluorination + glucuronidation (-F+H+4O), tri-oxidation + defluorination + glucuronidation (-F+OH+C6H8O8), tetra-oxidation + defluorination + glucuronidation (-F+OH+C6H8O8).

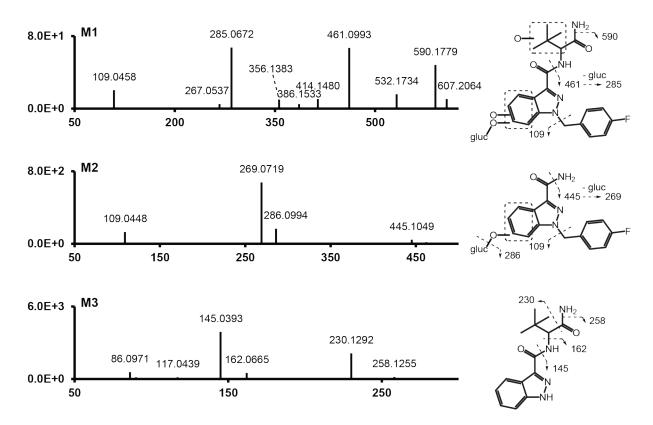
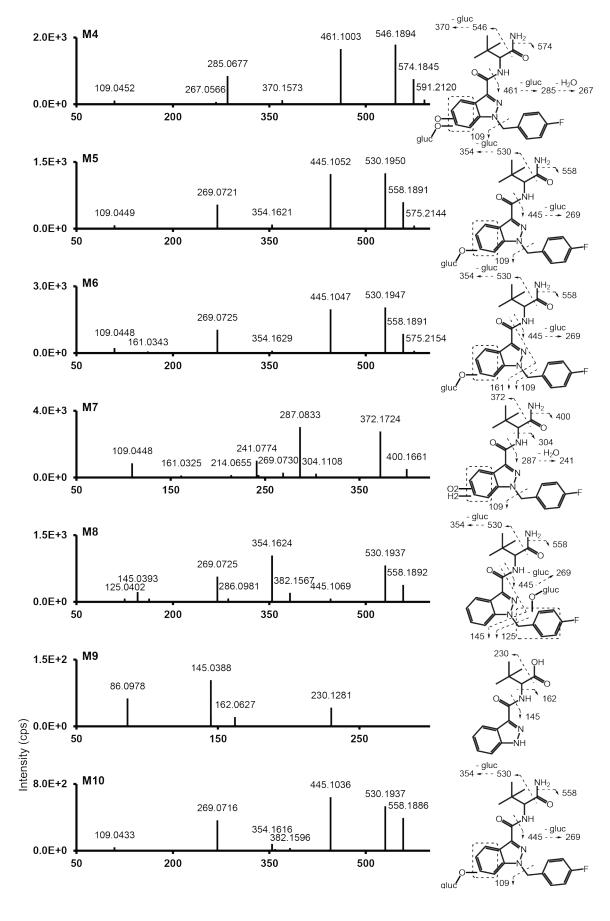


Fig. (S1). contd....



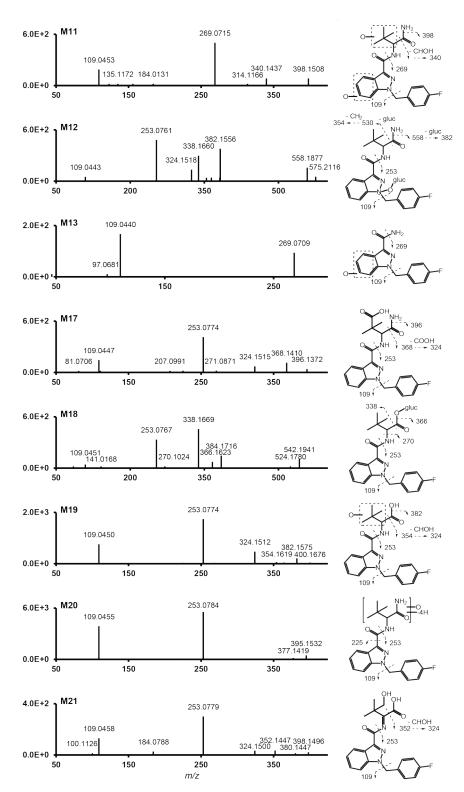


Fig. (S1). ADB-FUBINACA minor metabolites' MS/MS spectrum and assigned fragmentation patterns. Metabolites are presented in ascending retention time order.