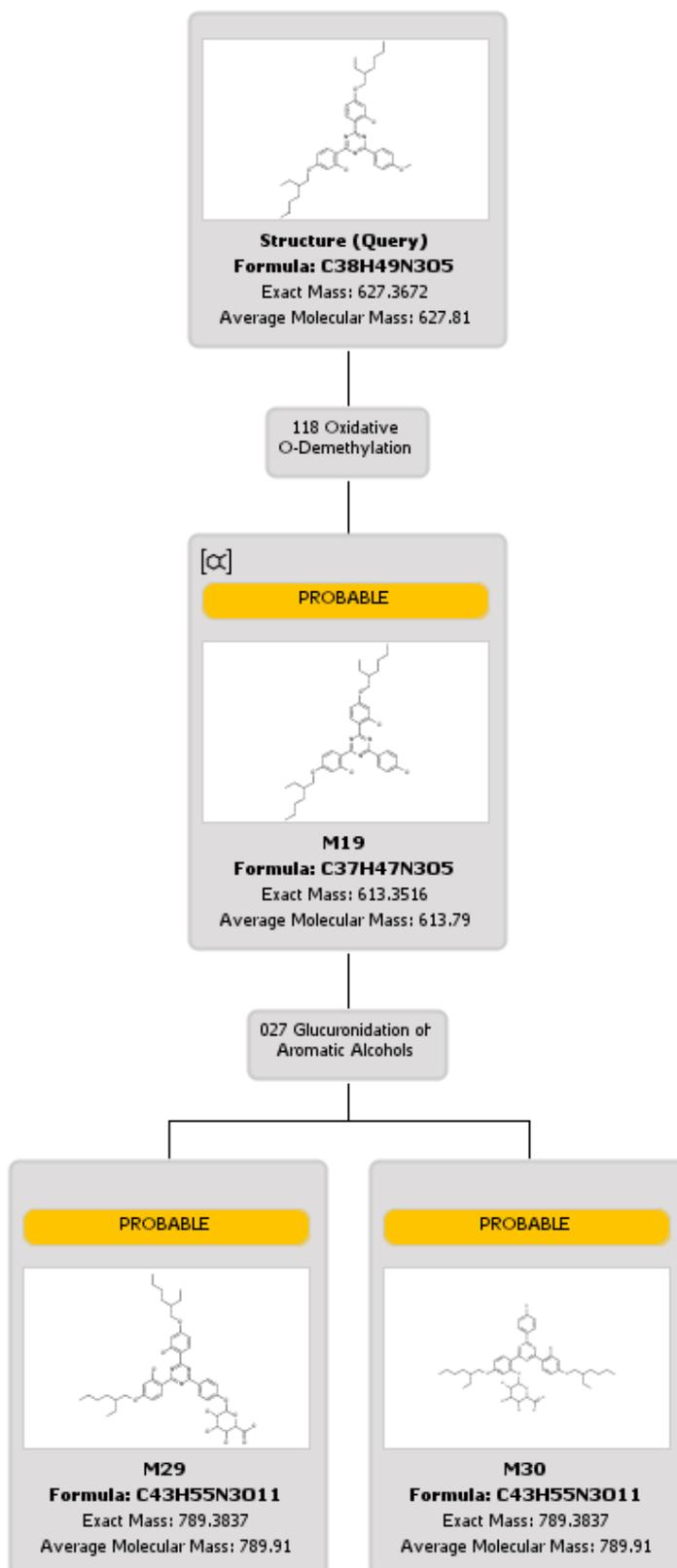


**Bemotrizinol (PARSOL® Shield CAS RN 187393-00-6): *in silico* Predicted Metabolism Pathway**

**Meteor Nexus v.3.1.0, Probable**

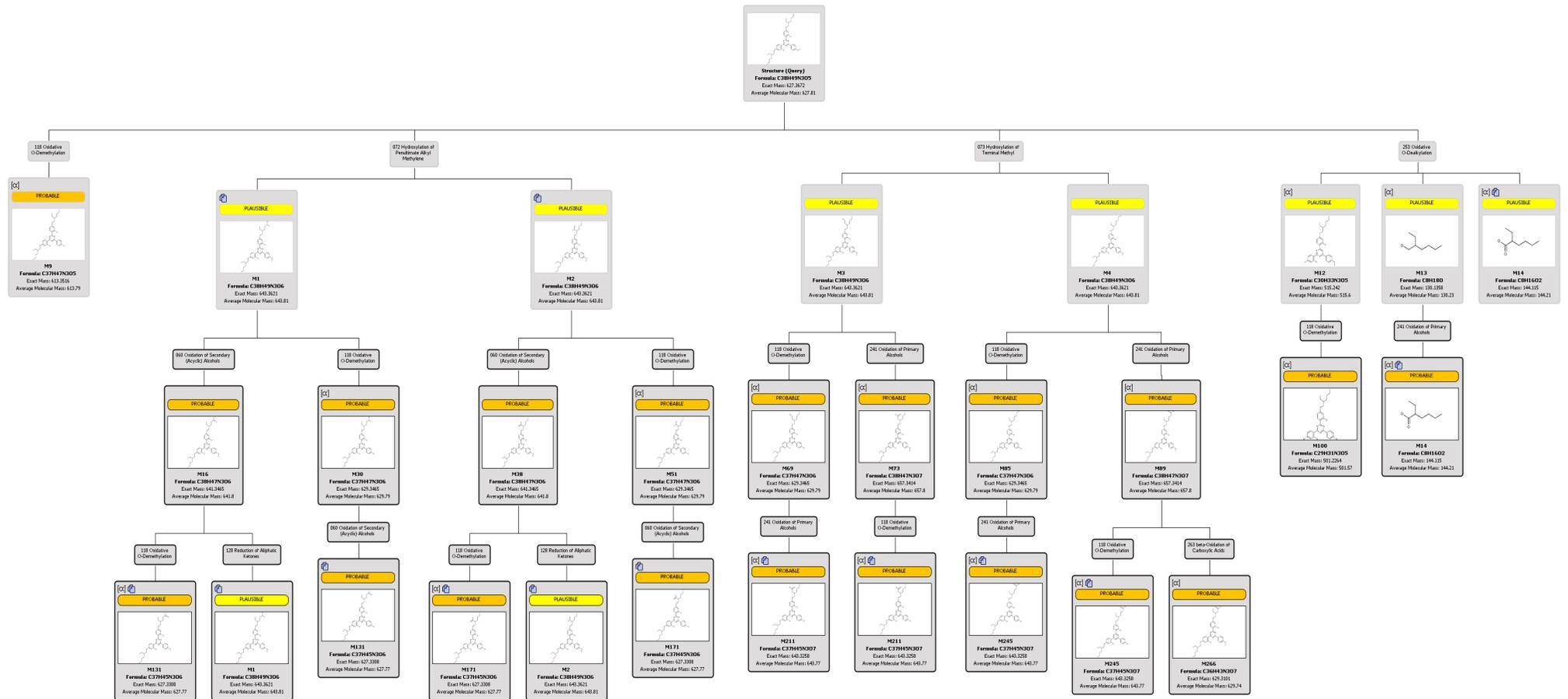


DSM Nutritional Products **PARSOL® Shield**  
METEOR Nexus analysis on 18 January 2019

Name	Likelihood	Biotransformation Number	Biotransformation Name	Phase	Enzyme
Structure (Query)					
M19	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M29	PROBABLE	27	Glucuronidation of Aromatic Alcohols	Phase II	UGT
M30	PROBABLE	27	Glucuronidation of Aromatic Alcohols	Phase II	UGT

DSM Nutritional Products **PARSOL® Shield**  
**METEOR Nexus analysis on 18 January 2019**  
**Bemotrizinol (PARSOL® Shield CAS RN 187393-00-6): *in silico* Predicted Metabolism Pathway**

Meteor Nexus v.3.1.0, Plausible via Phase I



DSM Nutritional Products **PARSOL® Shield**  
 METEOR Nexus analysis on 18 January 2019

Name: (Query)	Likelihood	Biotransformation Number	Biotransformation Name	Phase	Enzyme
M1	PLAUSIBLE	72	Hydroxylation of Penultimate Alkyl Methylene	Phase I	CYP450
M16	PROBABLE	60	Oxidation of Secondary (Acyclic) Alcohols	Phase I	ADH
M1	PLAUSIBLE	128	Reduction of Aliphatic Ketones	Phase I	ADH
M131	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M30	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M131	PROBABLE	60	Oxidation of Secondary (Acyclic) Alcohols	Phase I	ADH
M2	PLAUSIBLE	72	Hydroxylation of Penultimate Alkyl Methylene	Phase I	CYP450
M38	PROBABLE	60	Oxidation of Secondary (Acyclic) Alcohols	Phase I	ADH
M2	PLAUSIBLE	128	Reduction of Aliphatic Ketones	Phase I	ADH
M171	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M51	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M171	PROBABLE	60	Oxidation of Secondary (Acyclic) Alcohols	Phase I	ADH
M3	PLAUSIBLE	73	Hydroxylation of Terminal Methyl	Phase I	CYP450
M69	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M211	PROBABLE	241	Oxidation of Primary Alcohols	Phase I	ADH
M73	PROBABLE	241	Oxidation of Primary Alcohols	Phase I	ADH
M211	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M4	PLAUSIBLE	73	Hydroxylation of Terminal Methyl	Phase I	CYP450
M85	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M245	PROBABLE	241	Oxidation of Primary Alcohols	Phase I	ADH
M89	PROBABLE	241	Oxidation of Primary Alcohols	Phase I	ADH
M245	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M266	PROBABLE	263	beta-Oxidation of Carboxylic Acids	Phase I	ACD, ECH, HCD, BKT
M9	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M12	PLAUSIBLE	253	Oxidative O-Dealkylation	Phase I	CYP450
M100	PROBABLE	118	Oxidative O-Demethylation	Phase I	CYP450
M13	PLAUSIBLE	253	Oxidative O-Dealkylation	Phase I	CYP450
M14	PROBABLE	241	Oxidation of Primary Alcohols	Phase I	ADH
M14	PLAUSIBLE	253	Oxidative O-Dealkylation	Phase I	CYP450