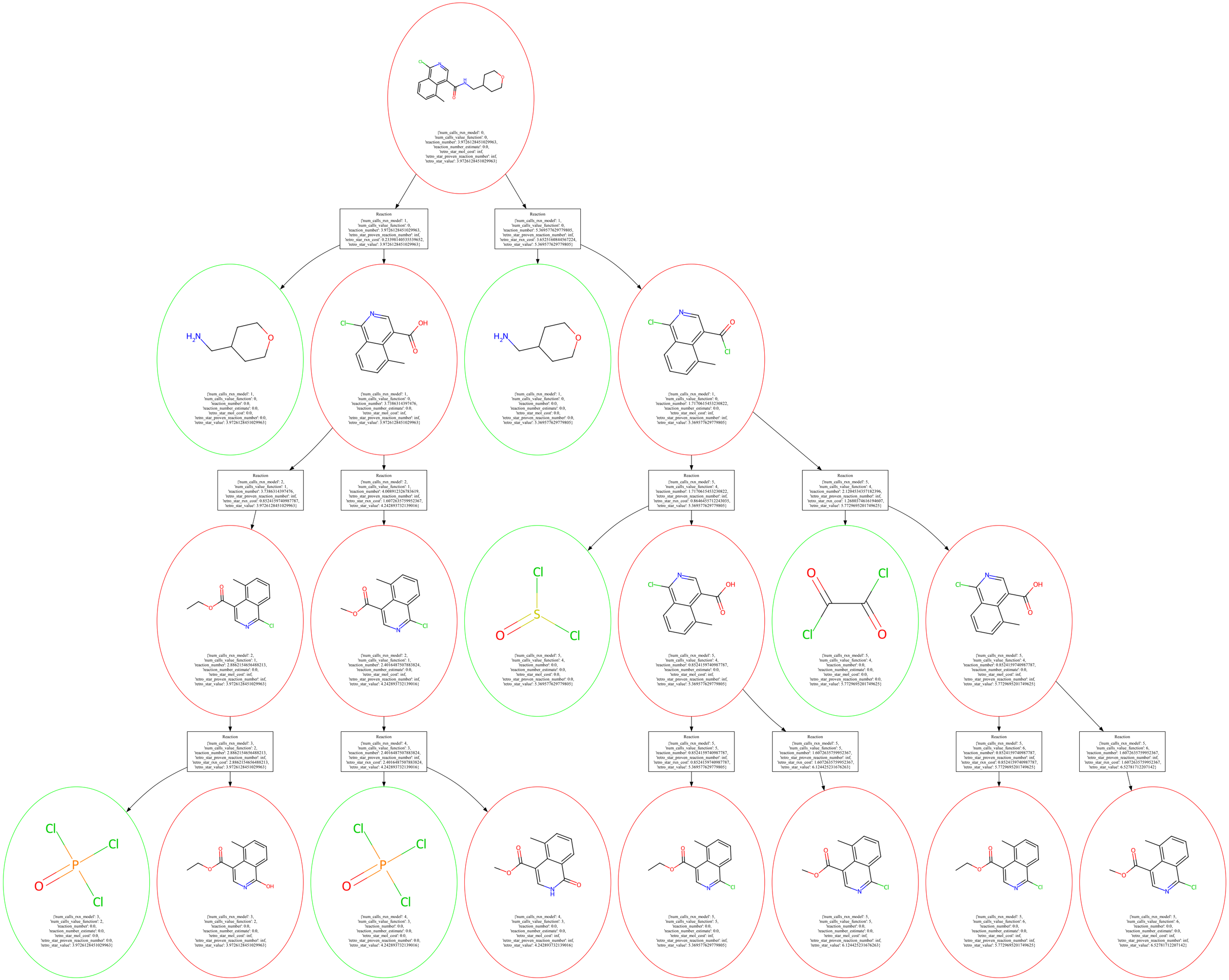
{'num_calls_rxn_model': 0,
'num_calls_value_function': 0,
'reaction_number': 3.9726128451029963,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 3.9726128451029963}
Reaction
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 3.9726128451029963,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 0.23398140535539652,
'retro_star_value': 3.9726128451029963}
Reaction
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 5.369577629779805,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 3.652516084456722 4,
'retro_star_value': 5.369577629779805}
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 3.9726128451029963}
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 3.7386314397476,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 3.9726128451029963}
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 5.369577629779805}
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 1.7170615453230822,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 5.369577629779805}
Reaction
{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 3.7386314397476,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 0.85241597409877 87,
'retro_star_value': 3.9726128451029963}
Reaction
{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 4.008912326783619,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 1.607263575995236 7,
'retro_star_value': 4.242893732139016}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 1.7170615453230822,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 0.864645571224303 5,
'retro_star_value': 5.369577629779805}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 2.1204534357182396,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 1.268037461619460 7,
'retro_star_value': 5.772969520174962 5}
{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 2.8862154656488213,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 3.9726128451029963}
{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 2.4016487507883824,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 4.242893732139016}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 5.369577629779805}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 0.8524159740987787,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 5.369577629779805}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 5.772969520174962 5}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 4,
'reaction_number': 0.8524159740987787,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 5.772969520174962 5}
Reaction
{'num_calls_rxn_model': 3,
'num_calls_value_function': 2,
'reaction_number': 2.8862154656488213,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 2.886215465648821 3,
'retro_star_value': 3.9726128451029963}
Reaction
{'num_calls_rxn_model': 4,
'num_calls_value_function': 3,
'reaction_number': 2.4016487507883824,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 2.401648750788382 4,
'retro_star_value': 4.242893732139016}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 5,
'reaction_number': 0.8524159740987787,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 0.852415974098778 7,
'retro_star_value': 5.369577629779805}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 5,
'reaction_number': 1.6072635759952367,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 1.607263575995236 7,
'retro_star_value': 6.124425231676263}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 6,
'reaction_number': 0.8524159740987787,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 0.852415974098778 7,
'retro_star_value': 5.772969520174962 5}
Reaction
{'num_calls_rxn_model': 5,
'num_calls_value_function': 6,
'reaction_number': 1.6072635759952367,
'retro_star_proven_reaction_number': inf,
'retro_star_rxn_cost': 1.607263575995236 7,
'retro_star_value': 6.527817122071420 7}
{'num_calls_rxn_model': 3,
'num_calls_value_function': 2,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 3.9726128451029963}
{'num_calls_rxn_model': 3,
'num_calls_value_function': 2,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 3.9726128451029963}
{'num_calls_rxn_model': 4,
'num_calls_value_function': 3,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 4.242893732139016}
{'num_calls_rxn_model': 4,
'num_calls_value_function': 3,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 4.242893732139016}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 5,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 5.369577629779805}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 5,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 6.124425231676263}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 6,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 5.772969520174962 5}
{'num_calls_rxn_model': 5,
'num_calls_value_function': 6,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': inf,
'retro_star_value': 6.527817122071420 7}